

Part C-1 Section Index

Section	<i>Ports</i>
1	Analog Line Port
2	Line Port
3	Analog Coin Port
4	Coin Port
5	End Office Trunk Port
5.1	Integrated Digital Loop Carrier Port
5.2	DS-1 Line Port
6	Tandem Trunk Port
6.1	TOPS Trunk Port
7	ISDN BRI Port
8	ISDN PRI Port

Centrex Features

9	Centrex Intercom (per Centrex Line)
10	Centrex Announcement (per Centrex Line)
11	3-Way Conference (per Centrex Line)
12	Automatic Callback (per Centrex Line)
13	Distinctive Ringing (per Centrex Line)
14	Loudspeaker Paging (per Trunk)
15	Meet-Me Conference (per Group)
16	Selective Call Acceptance (per Centrex Line)
17	Selective Call Forwarding (per Centrex Line)
18	Selective Call Rejection (per Centrex Line)
19	Six Way Conference (per Centrex Line)
20	Station Message Detail Record to Premise (per Group)

Part C-1 Section Index

Section *Individual Line Features*

- 21 Three-way Calling (per Line)
- 22 Remote Call Forwarding (per Line)
- 23 Calling Number Delivery (per Line)
- 24 Calling Number and Name Delivery (per Line)
- 25 Call Waiting Display Number (per Line)
- 26 Call Waiting Display Name (per Line)
- 27 Anonymous Call Rejection (per Line)
- 28 Automatic Recall (Call Return) (per Line)

ISDN Features

- 29 Circuit Switched Voice Intercom (ISDN) (per Terminal)
- 30 Circuit Switched Voice (ISDN) - Announcement (per Terminal)
- 31 Six-way Conference Calling (ISDN) (per Terminal)
- 32 Three-way Calling (ISDN) (per Terminal)
- 33 Calling Number Delivery (ISDN) (per Directory Number)
- 34 Calling Name Delivery (ISDN) (per PRI)

Misc. Features

- 35 Not Used
- 36 Not Used
- 37 Simplified Message Desk Interface (SMDI)

Supporting Workpapers

- 38 Utilization Adjustment Factors
- 39 Switch Material Investments
- 40 Coin Port Differential

ALL SWITCH MODIFICATIONS TO VZ-MA DEFRAGMENTED DATABASE STUDY

Section		Corrected v2-as File Difference		
	Ports			
1	Analog Line Port	\$ 2.75	\$ 2.53	9%
2	Weighted Line Port	\$ 1.94	\$ 2.57	-24%
3	Analog Coin Port	\$ 3.33	\$ 2.92	14%
4	Weighted Coin Port	\$ 2.28	\$ 2.88	-21%
5	End Office Trunk Port	\$ 108.63	\$ 105.12	3%
5.1	Integrated Digital Loop Carrier Port	\$ 83.94	\$ 247.10	-66%
5.2	DS-1 Line Port	\$ 20.99	\$ 61.77	-66%
6	Tandem Trunk Port	\$ 49.57	\$ 98.48	-50%
6.1	TOPS Trunk Port	\$ 75.56	\$ 84.79	-11%
7	ISDN BRI Port	\$ 10.82	\$ 11.71	-8%
8	ISDN PRI Port	\$ 110.62	\$ 101.65	9%
	Centrex Features			
9	CTX Intercom	\$ 0.09	\$ 0.58	-85%
10	CTX Announcement	\$ 0.28	\$ 0.48	-42%
11	3-Way Conference (CTX)	\$ 0.13	\$ 0.22	-42%
12	Automatic Callback (CTX)	\$ 0.11	\$ 0.19	-42%
13	Distinctive Ringing (CTX)	\$ 0.01	\$ 0.02	-42%
14	Loudspeaker Paging (CTX)	\$ 3.82	\$ 6.55	-42%
15	Meet-Me Conference (CTX)	\$ 0.07	\$ 0.13	-42%
16	Selective Call Acceptance (CTX)	\$ 0.01	\$ 0.03	-41%
17	Selective Call Forwarding (CTX)	\$ 0.01	\$ 0.01	-39%
18	Selective Call Rejection (CTX)	\$ 0.10	\$ 0.17	-42%
19	Six Way Conference (CTX)	\$ 0.50	\$ 0.86	-42%
20	Station Message Detail Record to Premise (CTX)	\$ 7.44	\$ 12.77	-42%
	Individual Line Features			
21	Three-way Calling	\$ 0.13	\$ 0.22	-42%
22	Remote Call Forwarding	\$ 0.82	\$ 1.41	-42%
23	Calling Number Delivery	\$ 0.11	\$ 0.19	-42%
24	Calling Number and Name Delivery	\$ 0.16	\$ 0.24	-34%
25	Call Waiting Display Number	\$ 0.11	\$ 0.19	-42%
26	Call Waiting Display Name	\$ 0.11	\$ 0.19	-42%
27	Anonymous Call Rejection	\$ 0.02	\$ 0.03	-42%
28	Automatic Recall (Call Return)	\$ 0.11	\$ 0.20	-42%
	ISDN Features			
29	Circuit Switched Voice (ISDN)	\$ 2.14	\$ 13.82	-85%
30	ISDN Announcement	\$ 3.53	\$ 6.07	-42%
31	Six-way Conference Calling (ISDN)	\$ 0.30	\$ 0.52	-42%
32	Three-way Calling (ISDN)	\$ 0.13	\$ 0.22	-42%
33	Calling Number Delivery (ISDN)	\$ -	\$ -	
34	Calling Name Delivery (ISDN)	\$ 1.11	\$ 1.11	0%
	Misc.			
35	Not Used			
36	Not Used			
37	Simplified Message Desk Interface (SMDI)	\$ 172.88	\$ 193.99	-11%

**Analog Line Port
VERIZON - MASSACHUSETTS**

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 1, Pg 1, L19	\$2.5429
2	Common Overhead	WP: Part C-1, Sec 1, Pg 1, L21	\$0.2042
3	Gross Revenue Loading	WP: Part C-1, Sec 1, Pg 1, L23	\$0.0074
4	Total Monthly Cost	L1 + L2 + L3	\$2.7545

Analog Line Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 1, L 1.3	\$64.5189
2	Analog Line Utilization Adjustment	WP Part C-1, Sect 38, Pg 2, L3	0.978883
3	Adjusted Material Investment	L1/L2	\$65.9108
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$16.4777
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$4.8280
8	Total In-Place Investment	L3+L5+L7	\$87.2165
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$27.7578
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.2616
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0735
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$6.5325
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$2.6833
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$2.5429
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.2042
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0074
24	Total Monthly Cost	L19+L21+L23	\$2.7545

Line Port
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 2, Pg 1, L19	\$1.7930
2	Common Overhead	WP: Part C-1, Sec 2, Pg 1, L21	\$0.1440
3	Gross Revenue Loading	WP: Part C-1, Sec 2, Pg 1, L23	\$0.0052
4	Total Monthly Cost	L1 + L2 + L3	\$1.9422

Line Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 1, L 2.3	\$44.1147
2	Line Utilization Adjustment	WP Part C-1, Sect 38, Pg 3, L3	0.949223
3	Adjusted Material Investment	L1/L2	\$46.4745
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$11.6186
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$3.4043
8	Total In-Place Investment	L3+L5+L7	\$61.4973
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$19.5724
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.1845
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0519
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$4.6062
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$1.8920
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$1.7930
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.1440
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0052
24	Total Monthly Cost	L19+L21+L23	\$1.9422

Analog Coin Port
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 3, Pg 1, L19	\$3.0701
2	Common Overhead	WP: Part C-1, Sec 3, Pg 1, L21	\$0.2465
3	Gross Revenue Loading	WP: Part C-1, Sec 3, Pg 1, L23	\$0.0090
4	Total Monthly Cost	L1 + L2 + L3	\$3.3256

Analog Coin Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 1, L 3.7	77.8948
2	Analog Line Utilization Adjustment	WP Part C-1, Sect 38, Pg 2, L3	0.978883
3	Adjusted Material Investment	L1/L2	\$79.5752
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$19.8938
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$5.8289
8	Total In-Place Investment	L3+L5+L7	\$105.2979
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$33.5125
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.3159
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0888
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$7.8868
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$3.2396
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$3.0701
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.2465
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0090
24	Total Monthly Cost	L19+L21+L23	\$3.3256

Coin Port
VERIZON - MASSACHUSETTS
SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 4, Pg 1, L19	\$2.1026
2	Common Overhead	WP: Part C-1, Sec 4, Pg 1, L21	\$0.1688
3	Gross Revenue Loading	WP: Part C-1, Sec 4, Pg 1, L23	\$0.0061
4	Total Monthly Cost	L1 + L2 + L3	\$2.2776

Coin Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 1, L 4.7	\$51.7314
2	Line Utilization Adjustment	WP Part C-1, Sect 38, Pg 3, L3	0.949223
3	Adjusted Material Investment	L1/L2	\$54.4987
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$13.6247
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$3.9920
8	Total In-Place Investment	L3+L5+L7	\$72.1154
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$22.9517
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.2163
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0608
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$5.4014
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$2.2187
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$2.1026
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.1688
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0061
24	Total Monthly Cost	L19+L21+L23	\$2.2776

End Office Trunk Port
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 5, Pg 1, L19	\$100.2882
2	Common Overhead	WP: Part C-1, Sec 5, Pg 1, L21	\$8.0531
3	Gross Revenue Loading	WP: Part C-1, Sec 5, Pg 1, L23	\$0.2933
4	Total Monthly Cost	L1 + L2 + L3	\$108.6346

End Office Trunk Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 1, L 5.4	\$2,450.6682
2	Digital Trunk Utilization Adjustment	WP Part C-1, Sect 38, Pg 4, L5	0.942768
3	Adjusted Material Investment	L1/L2	\$2,599.4379
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$649.8595
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$190.4088
8	Total In-Place Investment	L3+L5+L7	\$3,439.7062
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1,094.7330
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$10.3191
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$2.9005
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$257.6340
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$105.8245
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$100.2882
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$8.0531
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.2933
24	Total Monthly Cost	L19+L21+L23	\$108.6346

Integrated Digital Loop Carrier Port
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 5A, Pg 1, L19	\$77.4927
2	Common Overhead	WP: Part C-1, Sec 5A, Pg 1, L21	\$6.2227
3	Gross Revenue Loading	WP: Part C-1, Sec 5A, Pg 1, L23	\$0.2266
4	Total Monthly Cost	L1 + L2 + L3	\$83.9420

Integrated Digital Loop Carrier Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 4, L 35.5	\$1,893.6323
2	Digital Trunk Utilization Adjustment	WP Part C-1, Sect 38, Pg 4, L5	0.942768
3	Adjusted Material Investment	L1/L2	\$2,008.5867
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$502.1467
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$147.1290
8	Total In-Place Investment	L3+L5+L7	\$2,657.8624
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$845.9007
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$7.9736
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$2.2412
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$199.0739
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$81.7706
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$77.4927
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$6.2227
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.2266
24	Total Monthly Cost	L19+L21+L23	\$83.9420

DS-1 Line Port
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 5.2, Pg 1, L19	\$19.3732
2	Common Overhead	WP: Part C-1, Sec 5.2, Pg 1, L21	\$1.5557
3	Gross Revenue Loading	WP: Part C-1, Sec 5.2, Pg 1, L23	\$0.0567
4	Total Monthly Cost	L1 + L2 + L3	\$20.9855

DS-1 Line Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 4, L 35.4	\$473.4081
2	Digital Trunk Utilization Adjustment	WP Part C-1, Sect 38, Pg 4, L5	0.942768
3	Adjusted Material Investment	L1/L2	\$502.1467
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$125.5367
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$36.7822
8	Total In-Place Investment	L3+L5+L7	\$664.4656
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$211.4752
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$1.9934
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.5603
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$49.7685
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$20.4427
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$19.3732
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$1.5557
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0567
24	Total Monthly Cost	L19+L21+L23	\$20.9855

Tandem Trunk Port
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 6, Pg 1, L19	\$45.7646
2	Common Overhead	WP: Part C-1, Sec 6, Pg 1, L21	\$3.6749
3	Gross Revenue Loading	WP: Part C-1, Sec 6, Pg 1, L23	\$0.1338
4	Total Monthly Cost	L1 + L2 + L3	\$49.5734

Tandem Trunk Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 5, L 1.4	\$1,125.1645
2	Tandem Trunk Utilization Adjustment	WP Part C-1, Sect 38, Pg 4, L6	0.948541
3	Adjusted Material Investment	L1/L2	\$1,186.2052
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$296.5513
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$86.8895
8	Total In-Place Investment	L3+L5+L7	\$1,569.6460
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$499.5611
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$4.7089
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$1.3236
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$117.5665
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$48.2910
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$45.7646
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$3.6749
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.1338
24	Total Monthly Cost	L19+L21+L23	\$49.5734

TOPS Trunk Port
VERIZON - MASSACHUSETTS
SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 6.1, Pg 1, L19	\$69.7541
2	Common Overhead	WP: Part C-1, Sec 6.1, Pg 1, L21	\$5.6013
3	Gross Revenue Loading	WP: Part C-1, Sec 6.1, Pg 1, L23	\$0.2040
4	Total Monthly Cost	L1 + L2 + L3	\$75.5594

TOPS Trunk Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 5, L 2.4	\$1,714.9668
2	DMS Tandem Trk Utilization Adjust.	WP Part C-1, Sect 38, Pg 4, L4	0.948541
3	Adjusted Material Investment	L1/L2	\$1,808.0045
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$452.0011
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$132.4363
8	Total In-Place Investment	L3+L5+L7	\$2,392.4419
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$761.4270
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$7.1773
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$2.0174
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$179.1939
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$73.6048
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$69.7541
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$5.6013
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.2040
24	Total Monthly Cost	L19+L21+L23	\$75.5594

ISDN BRI Port
VERIZON - MASSACHUSETTS
SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 7, Pg 1, L19	\$9.9932
2	Common Overhead	WP: Part C-1, Sec 7, Pg 1, L21	\$0.8025
3	Gross Revenue Loading	WP: Part C-1, Sec 7, Pg 1, L23	\$0.0292
4	Total Monthly Cost	L1 + L2 + L3	\$10.8249

ISDN BRI Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 1, L 6.3	\$245.8682
2	Line Utilization Adjustment	WP Part C-1, Sect 38, Pg 3, L3	0.949223
3	Adjusted Material Investment	L1/L2	\$259.0203
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$64.7551
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$18.9732
8	Total In-Place Investment	L3+L5+L7	\$342.7486
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$109.0844
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$1.0282
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.2890
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$25.6719
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$10.5449
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$9.9932
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.8025
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0292
24	Total Monthly Cost	L19+L21+L23	\$10.8249

ISDN PRI Port
VERIZON - MASSACHUSETTS
SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 8, Pg 1, L19	\$102.1173
2	Common Overhead	WP: Part C-1, Sec 8, Pg 1, L21	\$8.2000
3	Gross Revenue Loading	WP: Part C-1, Sec 8, Pg 1, L23	\$0.2987
4	Total Monthly Cost	L1 + L2 + L3	\$110.6160

ISDN PRI Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 1, L7.7F	\$2,495.3654
2	Digital Trunk Utilization Adjustment	WP Part C-1, Sect 38, Pg 4, L5	0.942768
3	Adjusted Material Investment	L1/L2	\$2,646.8486
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$661.7121
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$193.8817
8	Total In-Place Investment	L3+L5+L7	\$3,502.4424
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1,114.6997
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$10.5073
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$2.9534
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$262.3329
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$107.7546
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$102.1173
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$8.2000
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.2987
24	Total Monthly Cost	L19+L21+L23	\$110.6160

Centrex Intercom (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	Total Monthly Cost	WP: Part C-1, Sec 9, Pg 1, L9	\$0.0893

Centrex Intercom (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	BH Intragroup CCS per Line	Product Management	0.5
2	BH Intragroup MOU per Line	L1 x 100 / 60	0.8
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 8 Pg 1, L6	0.000331
4	Annual Intragroup MOU	L2 / L3	2,520.08
5	Monthly Intragroup MOU	L4 / 12	210.01
6	UNE End Office Orig. Usage Rate	Exh Part C-2, Sect 1, Pg 1, L1	0.000453
7	UNE End Office Term. Usage Rate	Exh Part C-2, Sect 1, Pg 1, L2	0.000397
8	UNE End Office Average Usage Rate	(L6 + L7) / 2	\$0.000425
9	Monthly Intercom Costs per Line	L5 x L8	\$0.089257

Centrex Announcement (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 10, Pg 1, L19	\$0.2578
2	Common Overhead	WP: Part C-1, Sec 10, Pg 1, L21	\$0.0207
3	Gross Revenue Loading	WP: Part C-1, Sec 10, Pg 1, L23	\$0.0008
4	Total Monthly Cost	L1 + L2 + L3	\$0.2793

Centrex Announcement (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment Per Group	WP: Part C-1, Sec 39, Pg 2, L 10	\$167.0564
2	Lines per Group	Product Management	25
3	Material Investment Per Line	L1/L2	\$6.6823
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$1.6706
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.4895
8	Total In-Place Investment	L3+L5+L7	\$8.8423
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$2.8142
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0265
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0075
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.6623
17	Building ACF	VCOST	0.410755193
18	Annual Building Cost	L16 x L17	\$0.2720
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.2578
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0207
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0008
24	Total Monthly Cost	L19+L21+L23	\$0.2793

3-Way Conference (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 11, Pg 1, L19	\$0.1202
2	Common Overhead	WP: Part C-1, Sec 11, Pg 1, L21	\$0.0096
3	Gross Revenue Loading	WP: Part C-1, Sec 11, Pg 1, L23	\$0.0004
4	Total Monthly Cost	L1 + L2 + L3	\$0.1302

3-Way Conference (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 11	\$3.1145
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$3.1145
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$0.7786
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.2281
8	Total In-Place Investment	L3+L5+L7	\$4.1212
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.3116
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0124
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0035
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.3087
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1268
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1202
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0096
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0004
24	Total Monthly Cost	L19+L21+L23	\$0.1302

Automatic Callback (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 12, Pg 1, L19	\$0.1035
2	Common Overhead	WP: Part C-1, Sec 12, Pg 1, L21	\$0.0083
3	Gross Revenue Loading	WP: Part C-1, Sec 12, Pg 1, L23	\$0.0003
4	Total Monthly Cost	L1 + L2 + L3	\$0.1121

Automatic Callback (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 12	\$2.6824
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$2.6824
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$0.6706
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.1965
8	Total In-Place Investment	L3+L5+L7	\$3.5495
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.1297
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0106
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0030
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.2659
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1092
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1035
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0083
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0003
24	Total Monthly Cost	L19+L21+L23	\$0.1121

Distinctive Ringing (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 13, Pg 1, L19	\$0.0110
2	Common Overhead	WP: Part C-1, Sec 13, Pg 1, L21	\$0.0009
3	Gross Revenue Loading	WP: Part C-1, Sec 13, Pg 1, L23	\$0.0000
4	Total Monthly Cost	L1 + L2 + L3	\$0.0119

Distinctive Ringing (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 13	\$0.2849
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$0.2849
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$0.0712
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.0209
8	Total In-Place Investment	L3+L5+L7	\$0.3770
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$0.1200
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0011
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0003
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.0282
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.0116
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.0110
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0009
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0000
24	Total Monthly Cost	L19+L21+L23	\$0.0119

Loudspeaker Paging (per Trunk)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 14, Pg 1, L19	\$3.5226
2	Common Overhead	WP: Part C-1, Sec 14, Pg 1, L21	\$0.2829
3	Gross Revenue Loading	WP: Part C-1, Sec 14, Pg 1, L23	\$0.0103
4	Total Monthly Cost	L1 + L2 + L3	\$3.8158

Loudspeaker Paging (per Trunk)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 14	\$91.3058
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$91.3058
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$22.8265
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$6.6882
8	Total In-Place Investment	L3+L5+L7	\$120.8204
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$38.4527
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.3625
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.1019
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$9.0494
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$3.7171
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$3.5226
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.2829
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0103
24	Total Monthly Cost	L19+L21+L23	\$3.8158

Meet-Me Conference (per Group)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 15, Pg 1, L19	\$0.0689
2	Common Overhead	WP: Part C-1, Sec 15, Pg 1, L21	\$0.0055
3	Gross Revenue Loading	WP: Part C-1, Sec 15, Pg 1, L23	\$0.0002
4	Total Monthly Cost	L1 + L2 + L3	\$0.0746

Meet-Me Conference (per Group)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 15	\$1.7858
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$1.7858
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$0.4464
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.1308
8	Total In-Place Investment	L3+L5+L7	\$2.3630
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$0.7521
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0071
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0020
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.1770
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.0727
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.0689
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0055
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0002
24	Total Monthly Cost	L19+L21+L23	\$0.0746

Selective Call Acceptance (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 16, Pg 1, L19	\$0.0132
2	Common Overhead	WP: Part C-1, Sec 16, Pg 1, L21	\$0.0011
3	Gross Revenue Loading	WP: Part C-1, Sec 16, Pg 1, L23	\$0.0000
4	LIDB	WP: Part C-1, Sec 16, Pg 1, L24	\$0.0007
5	Total Monthly Cost	L1 + L2 + L3	\$0.0150

Selective Call Acceptance (per Centrex Line)

BELL ATLANTIC - NEW YORK

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 16	\$0.3424
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$0.3424
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$0.0856
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.0251
8	Total In-Place Investment	L3+L5+L7	\$0.4531
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$0.1442
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0014
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0004
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.0339
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.0139
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.0132
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0011
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0000
24	Total Monthly LIDB Cost	WP Part C-1, Sect 16, Pg 2, L4	\$0.0007
25	Total Monthly Cost	L19+L21+L23+L24	\$0.0150

Selective Call Acceptance (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Average # of LIDB Queries per Month	Product Management	2
2	LIDB Cost per Query	Part E	0.000104
3	SS7 Transport per LIDB Message	Part E	0.000223
4	Total Monthly LIDB Cost	(L2 + L3) * L1	\$0.0007

Selective Call Forwarding (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 17, Pg 1, L19	\$0.0053
2	Common Overhead	WP: Part C-1, Sec 17, Pg 1, L21	\$0.0004
3	Gross Revenue Loading	WP: Part C-1, Sec 17, Pg 1, L23	\$0.0000
4	LIDB	WP: Part C-1, Sec 17, Pg 1, L24	\$0.0007
5	Total Monthly Cost	L1 + L2 + L3	\$0.0063

Selective Call Forwarding (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 17	\$0.1362
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$0.1362
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$0.0340
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.0100
8	Total In-Place Investment	L3+L5+L7	\$0.1802
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$0.0574
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0005
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0002
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.0135
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.0055
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.0053
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0004
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0000
24	Total Monthly LIDB Cost	WP Part C-1, Sect 17, Pg 2, L4	\$0.0007
25	Total Monthly Cost	L19+L21+L23+L24	\$0.0063

Selective Call Forwarding (per Centrex Line)

BELL ATLANTIC - NEW YORK

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Average # of LIDB Queries per Month	Product Management	2
2	LIDB Cost per Query	Part E	0.000104
3	SS7 Transport per LIDB Message	Part E	0.000223
4	Total Monthly LIDB Cost	(L2 + L3) * L1	\$0.0007

Selective Call Rejection (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 18, Pg 1, L19	\$0.0933
2	Common Overhead	WP: Part C-1, Sec 18, Pg 1, L21	\$0.0075
3	Gross Revenue Loading	WP: Part C-1, Sec 18, Pg 1, L23	\$0.0003
4	LIDB	WP: Part C-1, Sec 18, Pg 1, L24	\$0.0007
5	Total Monthly Cost	L1 + L2 + L3	\$0.1018

Selective Call Rejection (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 18	\$2.4192
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$2.4192
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$0.6048
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.1772
8	Total In-Place Investment	L3+L5+L7	\$3.2013
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.0188
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0096
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0027
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.2398
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.0985
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.0933
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0075
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0003
24	Total Monthly LIDB Cost	WP Part C-1, Sect 18, Pg 2, L4	\$0.0007
25	Total Monthly Cost	L19+L21+L23+L24	\$0.1018

Selective Call Rejection (per Centrex Line)

BELL ATLANTIC - NEW YORK

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Average # of LIDB Queries per Month	Product Management	2
2	LIDB Cost per Query	Part E	0.000104
3	SS7 Transport per LIDB Message	Part E	0.000223
4	Total Monthly LIDB Cost	(L2 + L3) * L1	\$0.0007

Six Way Conference (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 19, Pg 1, L19	\$0.4621
2	Common Overhead	WP: Part C-1, Sec 19, Pg 1, L21	\$0.0371
3	Gross Revenue Loading	WP: Part C-1, Sec 19, Pg 1, L23	\$0.0014
4	Total Monthly Cost	L1 + L2 + L3	\$0.5005

Six Way Conference (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 19	\$11.9767
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$11.9767
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$2.9942
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.8773
8	Total In-Place Investment	L3+L5+L7	\$15.8481
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$5.0439
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0475
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0134
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$1.1870
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.4876
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.4621
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0371
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0014
24	Total Monthly Cost	L19+L21+L23	\$0.5005

Station Message Detail Record to Premise (per Group)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 20, Pg 1, L19	\$6.8692
2	Common Overhead	WP: Part C-1, Sec 20, Pg 1, L21	\$0.5516
3	Gross Revenue Loading	WP: Part C-1, Sec 20, Pg 1, L23	\$0.0201
4	Total Monthly Cost	L1 + L2 + L3	\$7.4409

Station Message Detail Record to Premise (per Group)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 20	\$178.0481
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$178.0481
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$44.5120
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$13.0420
8	Total In-Place Investment	L3+L5+L7	\$235.6022
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$74.9836
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.7068
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.1987
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$17.6466
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$7.2484
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$6.8692
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.5516
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0201
24	Total Monthly Cost	L19+L21+L23	\$7.4409

Three-way Calling (per Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 21, Pg 1, L19	\$0.1202
2	Common Overhead	WP: Part C-1, Sec 21, Pg 1, L21	\$0.0096
3	Gross Revenue Loading	WP: Part C-1, Sec 21, Pg 1, L23	\$0.0004
4	Total Monthly Cost	L1 + L2 + L3	\$0.1302

Three-way Calling (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 21	\$3.1145
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$3.1145
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$0.7786
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.2281
8	Total In-Place Investment	L3+L5+L7	\$4.1212
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.3116
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0124
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0035
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.3087
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1268
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1202
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0096
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0004
24	Total Monthly Cost	L19+L21+L23	\$0.1302

Remote Call Forwarding (per Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 22, Pg 1, L19	\$0.7597
2	Common Overhead	WP: Part C-1, Sec 22, Pg 1, L21	\$0.0610
3	Gross Revenue Loading	WP: Part C-1, Sec 22, Pg 1, L23	\$0.0022
4	Total Monthly Cost	L1 + L2 + L3	\$0.8229

Remote Call Forwarding (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 22	\$19.6906
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$19.6906
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$4.9226
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$1.4423
8	Total In-Place Investment	L3+L5+L7	\$26.0555
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$8.2925
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0782
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0220
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$1.9516
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.8016
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.7597
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0610
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0022
24	Total Monthly Cost	L19+L21+L23	\$0.8229

Calling Number Delivery (per Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 23, Pg 1, L19	\$0.1034
2	Common Overhead	WP: Part C-1, Sec 23, Pg 1, L21	\$0.0083
3	Gross Revenue Loading	WP: Part C-1, Sec 23, Pg 1, L23	\$0.0003
4	Total Monthly Cost	L1 + L2 + L3	\$0.1120

Calling Number Delivery (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 23	\$2.6796
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$2.6796
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$0.6699
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.1963
8	Total In-Place Investment	L3+L5+L7	\$3.5457
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.1285
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0106
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0030
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.2656
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1091
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1034
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0083
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0003
24	Total Monthly Cost	L19+L21+L23	\$0.1120

Calling Number and Name Delivery (per Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 24, Pg 1, L19	\$0.1034
2	Common Overhead	WP: Part C-1, Sec 24, Pg 1, L21	\$0.0083
3	Gross Revenue Loading	WP: Part C-1, Sec 24, Pg 1, L23	\$0.0003
4	LIDB	WP: Part C-1, Sec 24, Pg 1, L24	\$0.0471
5	Total Monthly Cost	L1 + L2 + L3	\$0.1591

Calling Number and Name Delivery (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 24	\$2.6796
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$2.6796
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$0.6699
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.1963
8	Total In-Place Investment	L3+L5+L7	\$3.5457
9	Digital Switch ACF	VCOST	0.31826
10	Annual Digital Switch Cost	L8 x L9	\$1.1285
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0106
13	Land ACF	VCOST	0.28108
14	Annual Land Cost	L12 x L13	\$0.0030
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.2656
17	Building ACF	VCOST	0.41076
18	Annual Building Cost	L16 x L17	\$0.1091
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1034
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0083
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.00271
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0003
24	Total Monthly LIDB Cost	WP Part C-1, Sect 24, Pg 4, L8	\$0.0471
25	Total Monthly Cost	L19+L21+L23+L24	\$0.1591

Calling Number and Name Delivery (per Line)

BELL ATLANTIC - NEW YORK

SUMMARY OF LIDB COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	BH CN&N Calls per Line	Product Management	0.68
2	Annual to Busy Hour Ratio	WP Part C-3, Sec 8 Pg 1, L6	0.000331
3	Monthly CN&N Calls per Line	L1/L2/12	171.37
4	% Calls with Private Numbers	Product Management	16%
5	Queries per Month	L3 *(1 -L4)	143.95
6	LIDB Cost per Query	Part E	0.000104
7	SS7 Transport for LIDB Message	Part E	0.000223
8	Total Monthly LIDB Cost	(L6 + L7) * L5	\$ 0.0471

Call Waiting Display Number (per Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 25, Pg 1, L19	\$0.1034
2	Common Overhead	WP: Part C-1, Sec 25, Pg 1, L21	\$0.0083
3	Gross Revenue Loading	WP: Part C-1, Sec 25, Pg 1, L23	\$0.0003
4	Total Monthly Cost	L1 + L2 + L3	\$0.1120

Call Waiting Display Number (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 25	\$2.6796
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$2.6796
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$0.6699
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.1963
8	Total In-Place Investment	L3+L5+L7	\$3.5457
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.1285
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0106
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0030
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.2656
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1091
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1034
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0083
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0003
24	Total Monthly Cost	L19+L21+L23	\$0.1120

Call Waiting Display Name (per Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 26, Pg 1, L19	\$0.1034
2	Common Overhead	WP: Part C-1, Sec 26, Pg 1, L21	\$0.0083
3	Gross Revenue Loading	WP: Part C-1, Sec 26, Pg 1, L23	\$0.0003
4	Total Monthly Cost	L1 + L2 + L3	\$0.1120

Call Waiting Display Name (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 26	\$2.6796
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$2.6796
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$0.6699
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.1963
8	Total In-Place Investment	L3+L5+L7	\$3.5457
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.1285
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0106
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0030
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.2656
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1091
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1034
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0083
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0003
24	Total Monthly Cost	L19+L21+L23	\$0.1120

**Anonymous Call Rejection (per Line)
VERIZON - MASSACHUSETTS**

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 27, Pg 1, L19	\$0.0173
2	Common Overhead	WP: Part C-1, Sec 27, Pg 1, L21	\$0.0014
3	Gross Revenue Loading	WP: Part C-1, Sec 27, Pg 1, L23	\$0.0001
4	Total Monthly Cost	L1 + L2 + L3	\$0.0187

Anonymous Call Rejection (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 27	\$0.4478
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$0.4478
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$0.1119
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.0328
8	Total In-Place Investment	L3+L5+L7	\$0.5925
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$0.1886
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0018
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0005
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.0444
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.0182
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.0173
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0014
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0001
24	Total Monthly Cost	L19+L21+L23	\$0.0187

Automatic Recall (Call Return) (per Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 28, Pg 1, L19	\$0.1050
2	Common Overhead	WP: Part C-1, Sec 28, Pg 1, L21	\$0.0084
3	Gross Revenue Loading	WP: Part C-1, Sec 28, Pg 1, L23	\$0.0003
4	Total Monthly Cost	L1 + L2 + L3	\$0.1137

Automatic Recall (Call Return) (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 28	\$2.7211
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$2.7211
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$0.6803
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.1993
8	Total In-Place Investment	L3+L5+L7	\$3.6007
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.1460
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0108
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0030
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.2697
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1108
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1050
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0084
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0003
24	Total Monthly Cost	L19+L21+L23	\$0.1137

Circuit Switched Voice Intercom (ISDN) (per Terminal)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	Total Monthly Cost	WP: Part C-1, Sec 29, Pg 1, L9	\$2.1422

Circuit Switched Voice Intercom (ISDN) (per Terminal)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	BH Intragroup CCS per Channel	Product Management	12.0
2	BH Intragroup MOU per Channel	$L1 \times 100 / 60$	20.0
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 8 Pg 1, L6	0.000331
4	Annual Intragroup MOU	$L2 / L3$	60481.93
5	Monthly Intragroup MOU	$L4 / 12$	5040.16
6	UNE End Office Orig. Usage Rate	Exh Part C-2, Sect 1, Pg 1, L1	0.000453
7	UNE End Office Term. Usage Rate	Exh Part C-2, Sect 1, Pg 1, L2	0.000397
8	UNE End Office Average Usage Rate	$(L6 + L7) / 2$	\$0.000425
9	Monthly Intercom Costs per Channel	$L5 \times L8$	\$2.1422

Circuit Switched Voice (ISDN) - Announcement (per Terminal)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 30, Pg 1, L19	\$3.2626
2	Common Overhead	WP: Part C-1, Sec 30, Pg 1, L21	\$0.2620
3	Gross Revenue Loading	WP: Part C-1, Sec 30, Pg 1, L23	\$0.0095
4	Total Monthly Cost	L1 + L2 + L3	\$3.5342

Circuit Switched Voice (ISDN) - Announcement (per Terminal)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment per Group	WP: Part C-1, Sec 39, Pg 4, L 30	\$422.8331
2	Lines per Group	Product Management	5
3	Material Investment per Line	L1/L2	\$84.5666
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$21.1417
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$6.1945
8	Total In-Place Investment	L3+L5+L7	\$111.9028
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$35.6146
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.3357
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0944
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$8.3815
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$3.4428
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$3.2626
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.2620
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0095
24	Total Monthly Cost	L19+L21+L23	\$3.5342

Six-way Conference Calling (ISDN) (per Terminal)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 31, Pg 1, L19	\$0.2772
2	Common Overhead	WP: Part C-1, Sec 31, Pg 1, L21	\$0.0223
3	Gross Revenue Loading	WP: Part C-1, Sec 31, Pg 1, L23	\$0.0008
4	Total Monthly Cost	L1 + L2 + L3	\$0.3003

Six-way Conference Calling (ISDN) (per Terminal)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 4, L 31	\$7.1860
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$7.1860
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$1.7965
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.5264
8	Total In-Place Investment	L3+L5+L7	\$9.5089
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$3.0263
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0285
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0080
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.7122
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.2925
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.2772
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0223
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0008
24	Total Monthly Cost	L19+L21+L23	\$0.3003

Three-way Calling (ISDN) (per Terminal)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 32, Pg 1, L19	\$0.1202
2	Common Overhead	WP: Part C-1, Sec 32, Pg 1, L21	\$0.0096
3	Gross Revenue Loading	WP: Part C-1, Sec 32, Pg 1, L23	\$0.0004
4	Total Monthly Cost	L1 + L2 + L3	\$0.1302

Three-way Calling (ISDN) (per Terminal)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 4, L 32	\$3.1145
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$3.1145
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$0.7786
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.2281
8	Total In-Place Investment	L3+L5+L7	\$4.1212
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.3116
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0124
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0035
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.3087
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1268
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1202
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0096
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0004
24	Total Monthly Cost	L19+L21+L23	\$0.1302

Calling Number Delivery (ISDN) (per Directory Number)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 33, Pg 1, L19	\$0.0000
2	Common Overhead	WP: Part C-1, Sec 33, Pg 1, L21	\$0.0000
3	Gross Revenue Loading	WP: Part C-1, Sec 33, Pg 1, L23	\$0.0000
4	Total Monthly Cost	L1 + L2 + L3	\$0.0000

Calling Number Delivery (ISDN) (per Directory Number)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 4, L 33	\$0.0000
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$0.0000
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$0.0000
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.0000
8	Total In-Place Investment	L3+L5+L7	\$0.0000
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$0.0000
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0000
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0000
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.0000
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.0000
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.0000
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0000
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0000
24	Total Monthly Cost	L19+L21+L23	\$0.0000

Calling Name Delivery (ISDN) (per PRI)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 34, Pg 1, L19	\$0.0000
2	Common Overhead	WP: Part C-1, Sec 34, Pg 1, L21	\$0.0000
3	Gross Revenue Loading	WP: Part C-1, Sec 34, Pg 1, L23	\$0.0000
4	LIDB	WP: Part C-1, Sec 34, Pg 1, L24	\$1.1075
5	Total Monthly Cost	L1 + L2 + L3	\$1.1075

Calling Name Delivery (ISDN) (per PRI)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 34	\$0.0000
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$0.0000
4	Digital Switch EF&I Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$0.0000
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.0000
8	Total In-Place Investment	L3+L5+L7	\$0.0000
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$0.0000
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0000
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0000
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.0000
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.0000
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.0000
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0000
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0000
24	Total Monthly LIDB Cost	WP Part C-1, Sect 34, Pg 2, L8	\$1.1075
25	Total Monthly Cost	L19+L21+L23+L24	\$1.1075

Calling Name Delivery (ISDN) (per PRI)

BELL ATLANTIC - NEW YORK

SUMMARY OF LIDB COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	BH CN&N Calls per Line	Product Management	16
2	Annual to Busy Hour Ratio	WP Part C-3, Sec 8 Pg 1, L6	0.000331
3	Monthly CN&N Calls per Line	L1/L2/12	4032.13
4	% Calls with Private Numbers	Product Management	16%
5	Queries per Month	L3 *(1 -L4)	3386.99
6	LIDB Cost per Query	Part E	0.000104
7	SS7 Transport for LIDB Message	Part E	0.000223
8	Total Monthly LIDB Cost	(L6 + L7) * L5	\$ 1.1075

SIMPLIFIED MESSAGE DESK INTERFACE
BELL ATLANTIC - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 37, Pg 2, L19	\$159.5934
2	Common Overhead	WP: Part C-1, Sec 37, Pg 2, L21	\$12.8153
3	Gross Revenue Loading	WP: Part C-1, Sec 37, Pg 2, L23	\$0.4668
4	Total Monthly Cost per Customer	L1 + L2 + L3	\$172.8755

SIMPLIFIED MESSAGE DESK INTERFACE
BELL ATLANTIC - MASSACHUSETTS

MATERIAL INVESTMENT PER CUSTOMER

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Modem	Vendor	\$455.26
2	Application Processor	Vendor	\$3,386.75
3	SMDI Port	SCIS	\$116.76
4	Message Waiting Indicator	SCIS	\$0.00
5	Interswitch Vioce Messaging	SCIS	\$40.71
6	Application Processor DSL Interface	SCIS	\$137.13
7	Total per Customer	Sum L1 through L6	\$4,136.61

SIMPLIFIED MESSAGE DESK INTERFACE
BELL ATLANTIC - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 37, Pg 1, L 7	\$4,136.61
2	Utilization Factor	Not Applicable	1
3	Adjusted Material Investment	L1/L2	\$4,136.61
4	Digital Switch EF&I Factor	V Cost	0.25
5	Installation Cost	L3 x L4	\$1,034.15
6	Power Factor	V Cost	0.0586
7	Power Investment	(L3 + L5) x L6	\$303.01
8	Total In-Place Investment	L3+L5+L7	\$5,473.77
9	Digital Switch ACF	V Cost	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1,742.1011
11	Land Factor	V Cost	0.003
12	Land Investment	L8 x L11	\$16.42
13	Land ACF	V Cost	0.2811
14	Annual Land Cost	L12 x L13	\$4.6158
15	Building Factor	V Cost	0.0749
16	Building Investment	L8 x L15	\$409.99
17	Building ACF	V Cost	0.4108
18	Annual Building Cost	L16 x L17	\$168.4036
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$159.5934
20	Common Overhead Factor	V Cost	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$12.8153
22	Gross Revenue Loading Factor	V Cost (Grossed-up Factor)	0.0027073
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.4668
24	Total Monthly Cost	L19+L21+L23	\$172.8755

Utilization Adjustment Factors
VERIZON - MASSACHUSETTS

Utilization Adjustment Factor - GR 303 (POTS)

5ESS			Required	Actual	SCIS	Breakage	Admin	Average	Utilization
<u>Line</u>	<u># Lines</u>	<u>Cap@93%</u>	<u># of IDCUs</u>	<u># of IDCUs</u>	<u># of IDCUs</u>	<u>Adjust Factor</u>	<u>Fill Factor</u>	<u>Fill Factor</u>	<u>Adjust Factor</u>
(A)	(B)	(C)	(D=B/C)	(E=D')	(F=D+0.5)	(G=E/F)	(H)	(I)	(J=I/H/G)
1	640555	892	718.11	719	718.61	1.0005	93%	80%	85.97%

DMS			Required	Actual	SCIS	Breakage	Admin	Average	Utilization
<u>Line</u>	<u># Lines</u>	<u>Cap@93%</u>	<u># of ESMAs</u>	<u># of ESMAs</u>	<u># of ESMAs</u>	<u>Adjust Factor</u>	<u>Fill Factor</u>	<u>Fill Factor</u>	<u>Adjust Factor</u>
(A)	(B)	(C)	(D=B/C)	(E=D')	(F=D+0.5)	(G=E/F)	(H)	(I)	(J=I/H/G)
2	480731	1071	448.86	449	449.36	0.9992	93%	80%	86.09%

Zone	Wghtd Utilization	5ESS lines	DMS Lines	% 5ESS	% DMS
3	86.02464%	640555	480731	57.13%	42.87%

Utilization Adjustment Factors
BELL ATLANTIC - NEW YORK

Utilization Adjustment Factor - Analog Lines (POTS)

5ESS						Breakage	Admin	Average	Utilization
<u>Line</u>	<u># Lines</u>	<u>Cap@95%</u>	<u>Required</u>	<u>Actual</u>	<u>SCIS</u>	<u>Adjust</u>	<u>Fill</u>	<u>Fill</u>	<u>Adjust</u>
(A)	(B)	(C)	# of AIUs	# of AIUs	AIUs	Factor	Factor	Factor	Factor
			(D=B/C)	(E=D')	(F=D+0.5)	(G=E/F)	(H)	(I)	(J=I/H/G)
1	1921950	486	3954.63	3955	3955.13	1.0000	95%	93%	97.90%

DMS						Breakage	Admin	Average	Utilization
<u>Line</u>	<u># Lines</u>	<u>Cap@95%</u>	<u>Required</u>	<u>Actual</u>	<u>SCIS</u>	<u>Adjust</u>	<u>Fill</u>	<u>Fill</u>	<u>Adjust</u>
(A)	(B)	(C)	# of LCMs	# of LCMs	LCMs	Factor	Factor	Factor	Factor
			(D=B/C)	(E=D')	(F=D+0.5)	(G=E/F)	(H)	(I)	(J=I/H/G)
2	1442194	608	2372.03	2373	2372.53	1.0002	95%	93%	97.88%

<u>Line</u>	<u>Wghtd Utilization</u>	<u>5ESS lines</u>	<u>DMS Lines</u>	<u>% 5ESS</u>	<u>% DMS</u>
3	97.88825%	1921666	1442194	57.13%	42.87%

Utilization Adjustment Factors
VERIZON - MASSACHUSETTS

Utilization Adjustment Factor - Lines (POTS)

		Wghtd Utilization	% Line	
1	Digital or Gr303	86.02464%	25.00000%	21.50616%
2	Analog	97.88825%	75.00000%	73.41619%
3	Line Port Utilization			94.92235%

Utilization Adjustment Factors
BELL ATLANTIC - NEW YORK

Utilization Adjustment Factor - Digital Trunks

5ESS Line		# Trunks	Cap@95%	Required # of DNU's	Actual # of DNU's	SCIS # of DNU's	Breakage Adjust Factor	Admin Fill Factor	Average Fill Factor	Utilization Adjust Factor
(A)		(B)	(C)	(D=B/C)	(E=D')	(F=D+0.5)	(G=E/F)	(H)	(I)	(J=I/H/G)
1	EO	482733	7660	63.02	64	63.52	1.0076	95%	90%	94.03%
2	Tdm	547710	7660	71.50	72	72.00	1.0000	95%	90%	0.00%
DMS Line		# Trunks	Cap@95%	Required # of DTC's	Actual # of DTC's	SCIS # of DTC's	Breakage Adjust Factor	Admin Fill Factor	Average Fill Factor	Utilization Adjust Factor
(A)		(B)	(C)	(D=B/C)	(E=D')	(F=D+0.5)	(G=E/F)	(H)	(I)	(J=I/H/G)
3	EO	290112	456	636.21	637	636.71	1.0005	95%	90%	94.69%
4	Tdm	113000	456	247.81	248	248.31	0.9988	95%	90%	94.85%
Wghtd Utilization										
Line				5ESS lines	DMS Lines	% 5ESS	% DMS			
5	EO	94.27685%		482733	290112	62.46%	37.54%			
6	Tdm	94.85412%		547710	113000	82.90%	17.10%			

Switch Material Investments
End Offices
VERIZON - MASSACHUSETTS

A	B	C	D	E	F
Line		Source	Discounted Material	Weighting Factor	Weighted Investment
	Switch Ports				
1	Analog Line Port				
1.1	5ESS SCIS Material Investment	SCIS	\$ 36.4595	57.13%	\$ 20.8281
1.2	DMS SCIS Material Investment	SCIS	\$ 38.5575	42.87%	\$ 16.5308
	RTU and NTS Adjustment	WP Part C-2, Sec 4, Pg1, L33			1.73
1.3	Weighted SCIS/MO Material Investment	L1.1F + L1.2F			\$ 64.5189
2	Line Port				
2.1	5ESS SCIS Material Investment	SCIS	\$ 37.1576	57.13%	\$ 21.2270
2.2	DMS SCIS Material Investment	WP Part C-1, Sec 39 Pg 1 L3	\$ 31.0032	42.87%	\$ 13.2921
	RTU and NTS Adjustment	WP Part C-2, Sec 4, Pg1, L33			1.73
	Adjustment For changing IDLC penetration to 49.2%	C. Pitts Testimony			0.74
2.3	Weighted SCIS/MO Material Investment	L2.1F+ L2.2F			\$ 44.1147
3	Analog Coin Port				
3.1	5ESS SCIS Material Investment	SCIS	\$ 36.4595		
3.2	5ESS Analog Coin Port Differential	WP Part C-1, Sec 40 Pg 1 L9	\$ 0.7106		
3.3	Total 5ESS Material Investment	L3.1D + L3.2D	\$ 37.1701	57.13%	\$ 21.2341
3.4	DMS SCIS Material Investment	SCIS	\$ 38.5575		
3.5	DMS Analog Coin Port Differential	WP Part C-1, Sec 40 Pg 1 L8	\$ 17.1184		
3.6	Total DMS Material Investment	L3.4D + L3.5D	\$ 55.6759	42.87%	\$ 23.8700
	RTU and NTS Adjustment	WP Part C-2, Sec 4, Pg1, L33			1.73
3.7	Weighted SCIS/MO Material Investment	L3.3F + L3.6F			\$ 77.8948
4	Coin Port				
4.1	5ESS SCIS Material Investment	SCIS	\$ 37.1576		
4.2	5ESS Weighted Coin Port Differential	WP Part C-1, Sec 40 Pg 1 L11	\$ 0.7106		
4.3	Total 5ESS Material Investment	L4.1D + L4.2D	\$ 37.8683	57.13%	\$ 21.6329
4.4	DMS SCIS Material Investment	SCIS	\$ 31.0032		
4.5	DMS Weighted Coin Port Differential	WP Part C-1, Sec 40 Pg 1 L10	\$ 12.9546		
4.6	Total DMS Material Investment	L4.4D + L4.5D	\$ 43.9578	42.87%	\$ 18.8461
	RTU and NTS Adjustment	WP Part C-2, Sec 4, Pg1, L33			1.73
	Adjustment For changing IDLC penetration to 49.2%	C. Pitts Testimony			0.74
4.7	Weighted SCIS/MO Material Investment	L4.3F + L4.6F			\$ 51.7314
5	End Office Trunk Port				
5.1	5ESS SCIS Material Investment	SCIS	\$ 44.5120	62.46%	\$ 27.8030
5.2	DMS SCIS Material Investment	SCIS	\$ 83.4440	37.54%	\$ 31.3234
	RTU and NTS Adjustment	WP Part C-2, Sec 4, Pg1, L33			1.73
5.3	Weighted SCIS/MO Material Investment	L5.1F + L5.2F		(Per DS-0)	\$ 102.1112
5.4		L5.3 * 24		(Per DS-1)	\$ 2,450.6682
6	ISDN BRI Port				
6.1	5ESS SCIS Wgghtd Material Investment	SCIS	\$ 122.5126	79.45%	\$ 97.3302
6.2	DMS-100 SCIS Wgghtd Material Investment	SCIS	\$ 219.1056	20.55%	\$ 45.0370
	RTU and NTS Adjustment	WP Part C-2, Sec 4, Pg1, L33			1.73
6.3	Weighted SCIS/MO Material Investment	L7.1F + L7.2F			\$ 245.8682
7	ISDN PRI Port				
7.1	5ESS SCIS Material Investment- PRI	SCIS	\$ 183.5771	68.95%	\$ 126.5730
7.2	DMS SCIS Material Investment- PRI	SCIS	\$ 223.7158	31.05%	\$ 69.4680
7.3	5ESS SCIS Material Investment- B Channel	SCIS	\$ 28.2419	68.95%	\$ 19.4722
7.4	DMS SCIS Material Investment- B Channel	SCIS	\$ 112.1560	31.05%	\$ 34.8266
7.5	5ESS SCIS Material Investment- ISDN PRI	L7.1F +(L7.3F * 23)			\$ 574.43
7.6	DMS SCIS Material Investment- ISDN PRI	L7.2F + (L7.4 * 23)			\$ 870.48
	RTU and NTS Adjustment	WP Part C-2, Sec 4, Pg1, L33			1.73
7.7	Weighted ISDN PRI	L7.5F + L7.6F			\$ 2,495.3654

Switch Material Investments
End Offices
VERIZON - MASSACHUSETTS

COIN FEATURE

8	Delay Announcement	RTU and NTS Adjustment	WP Part C-2, Sec 4, Pg1, L33		1.73
8.1	SCIS I/N 5ESS Material Investment			\$	0.7106
8.2	SCIS I/N DMS Material Investment			\$	0.4632

CENTREX FEATURES

9	Centrex Intercom (per Centrex Line)	SCIS I/N Weighted Material Investment	(Usage Costs Only)	\$	- Per line
10	Centrex Announcement (per Centrex Line)	SCIS I/N Weighted Material Investment		\$	167.0564 Per Group
11	3-Way Conference (per Centrex Line)	SCIS I/N Weighted Material Investment		\$	3.1145 Per Station Line
12	Automatic Callback (per Centrex Line)	SCIS I/N Weighted Material Investment		\$	2.6824 Per Station Line
13	Distinctive Ringing (per Centrex Line)	SCIS I/N Weighted Material Investment		\$	0.2849 Per Station Line
14	Loudspeaker Paging (per Trunk)	SCIS I/N Weighted Material Investment		\$	91.3058 per Trunk
15	Meet-Me Conference (per Group)	SCIS I/N DMS Material Investment (Available in DMS-100 Only)		\$	1.7858 per Group
16	Selective Call Acceptance (per Centrex Line)	SCIS I/N Weighted Material Investment		\$	0.3424 Per Station Line
17	Selective Call Forwarding (per Centrex Line)	SCIS I/N Weighted Material Investment		\$	0.1362 Per Station Line
18	Selective Call Rejection (per Centrex Line)	SCIS I/N Weighted Material Investment		\$	2.4192 Per Station Line
19	Six Way Conference (per Centrex Line)	SCIS I/N Weighted Material Investment		\$	11.9767 Per Station Line
20	Station Message Detail Record to Premise (per Group)	SCIS I/N DMS Material Investment (Available in DMS-100 Only)		\$	178.0481 Per Group

Switch Material Investments
End Offices
VERIZON - MASSACHUSETTS

INDIVIDUAL LINE FEATURES:

21	Three-way Calling (per Line)		
	SCIS I/N Weighted Material Investment	\$	3.1145
			Per Line
22	Remote Call Forwarding (per Line)		
	SCIS I/N Weighted Material Investment	\$	19.6906
			Per Line
23	Calling Number Delivery (per Line)		
	SCIS I/N Weighted Material Investment	\$	2.6796
			Per Line
24	Calling Number and Name Delivery (per Line)		
	SCIS I/N Weighted Material Investment	\$	2.6796
			Per Line
25	Call Waiting Display Number (per Line)		
	SCIS I/N Weighted Material Investment	\$	2.6796
			Per Line
26	Call Waiting Display Name (per Line)		
	SCIS I/N Weighted Material Investment	\$	2.6796
			Per Line
27	Anonymous Call Rejection (per Line)		
	SCIS I/N Weighted Material Investment	\$	0.4478
			Per Line
28	Automatic Recall (Call Return) (per Line)		
	SCIS I/N Weighted Material Investment	\$	2.7211
			Per Line

Switch Material Investments
End Offices
VERIZON - MASSACHUSETTS

A	B	C	D	E	F
		Source	Discounted Material	Weighting Factor	Weighted Investment
ISDN FEATURES					
29	Circuit Switched Voice Intercom (ISDN) (per Terminal)				
	SCIS I/N Weighted Material (Total Feature) Investment		(Usage Costs Only)	\$	-
					Per Terminal
30	Circuit Switched Voice (ISDN) - Announcement (per Terminal)				
	SCIS I/N Weighted Material Investment			\$	422.8331
					Per Group
31	Six-way Conference Calling (ISDN) (per Terminal)				
	SCIS I/N Weighted Material Investment			\$	7.1860
					Per Terminal
32	Three-way Calling (ISDN) (per Terminal)				
	SCIS I/N Weighted Material Investment			\$	3.1145
					Per Terminal
33	Calling Number Delivery (ISDN) (per Directory Number)				
	SCIS I/N Weighted Material Investment			\$	-
					Per Directory No.
34	Calling Name Delivery (ISDN) (per PRI)				
	SCIS I/N Weighted Material Investment			\$	-
					Per PRI
Switch Ports					
35	Integrated Digital Loop Carrier Port				
35.1	5ESS SCIS Material Investment	SCIS	\$ 21.8942	57.13%	\$ 12.5074
35.2	DMS SCIS Material Investment	SCIS	\$ 8.3491	42.87%	\$ 3.5795
	RTU and NTS Adjustment	WP Part C-2, Sec 4, Pg1, L33			1.73
	Adjustment For changing IDLC penetration to 49.2%	C. Pitts Testimony			71.00%
35.3	Weighted SCIS/MO Material Investment	L5.1F + L5.2F		(Per DS-0)	\$ 19.7253
35.4		L35.3 * 24		(Per DS-1)	\$ 473.4081
35.5		L35.4*4		(Per 4 DS-1s)	\$ 1,893.6323
	DMS Digital Line Weighting	Lines	% wghting	Invest	Wghtd Invest
35.5	Remotes	47,869	9.96%	\$ 17.0792	\$ 1.7007
35.6	Hosts	432,862	90.04%	\$ 7.3837	\$ 6.6484
35.7					\$ 8.3491

Switch Material Investments
Tandems
VERIZON - MASSACHUSETTS

A	B	C	D	E	F
		Source	Discounted Material	Weighting Factor	Weighted Investment
1	Tandem Trunk Port				
1.1		5ESS	\$ 41.8117	82.90%	\$ 34.6607
1.2		DMS	\$ 71.4570	17.10%	\$ 12.2211
1.3	Weighted SCIS/MO Material Investment			(Per DS-0)	\$ 46.8819
1.4		L1C *24		(Per DS-1)	\$ 1,125.1645
2	TOPS Trunk Port				
2.1		5ESS		0.00%	\$ -
2.2		DMS	\$ 71.4570	100.00%	\$ 71.4570
2.3	Weighted SCIS/MO Material Investment			(Per DS-0)	\$ 71.4570
2.4		L2C * 24		(Per DS-1)	\$ 1,714.9668

COIN FUNCTIONALITY INVESTMENT SUPPORT

VERIZON - MASSACHUSETTS

LINE	ITEM A	SOURCE B	VALUE C
HARDWARE - LINE CARD (DMS-100)			
1	6X18AA Ground Start Line Card (Required for Coin)	Vendor	\$32.45
2	6X17AC POTS Line Card (Used in Analog Line Port)	Vendor	\$23.66
3	Net Discounted Cost per Line - Line Card	L1 - L2	\$8.80
HARDWARE - POWER CONVERTER (DMS-100)			
4	6X23AA Line Card (Serves 10 Lines)	Vendor	\$78.58
5	Net Discounted Cost per Line - Power Converter	L4 / (10)	\$7.86
HARDWARE - ANNOUNCEMENTS CIRCUITS			
6	DMS-100 (Per Coin Port)	WP Part C-1, Sec 39, Pg 2, L8.1	\$0.4632
7	5ESS (Per Coin Port)	WP Part C-1, Sec 39, Pg 2, L8.2	\$0.7106
8	Total DMS Analog Port H'dware Differential	L3 + L5 + L6	\$17.12
9	Total 5ESS Analog Port H'dware Differential	L7	\$0.71
10	Total Material Cost - DMS Digital Coin Port Support (Announcement Circuits Only)**	L6	\$0.46
11	Total Material Cost - 5ESS Digital Coin Port Support (Announcement Circuits Only)**	L7	\$0.71
12	Percent Digital Lines	SCIS Inputs	25%
13	Weighted Material Cost - DMS Coin Port Support	$(L10 * L12) + (L8 * (1 - L12))$	\$12.95
14	Weighted Material Cost - 5ESS Coin Port Support	$(L11 * L12) + (L9 * (1 - L12))$	\$0.71

** Digital Line Ports in DMS and 5ESS include coin port functionality; however, both switches require announcements hardware.

Note : This tab functions as a single point of input for common factors used in the Workpapers. It *should not* be printed and included as part of any paper filing package.

<i>Input</i>	<i>Reference</i>	<i>Value</i>
Line Utilization Adjustment		
	WP Part C-1, Sect 38, Pg 3, L3	0.949
Analog Line Utilization Adjustment		
	WP Part C-1, Sect 38, Pg 2, L3	0.979
Digital Trunk Utilization Adjustment		
End Office	WP Part C-1, Sect 38, Pg 4, L5	0.943
Tandem	WP Part C-1, Sect 38, Pg 4, L6	0.949
Feature Utilization Adjustment	N/R	1.000
Digital Switch EF&I Factor	VCOST	0.250000
Power Factor	VCOST	0.058600
Digital Switch ACF	VCOST	0.318264
Land Factor	VCOST	0.003000
Land ACF	VCOST	0.281083
Building Factor	VCOST	0.074900
Building ACF	VCOST	0.410755
Common Overhead Factor	VCOST	0.080300
Gross Revenue Loading Factor	VCOST (Grossed Up)	0.002707
Annual to Busy Hour Ratio	WP Part C-3, Sec 8 Pg 1, L6	0.000331
LIDB Cost per Query	Part E	\$0.000104
SS7 Transport for LIDB Message	Part E	\$0.000223
Originating MOU		
UNE End Office Orig. Usage Rate	Exh Part C-2, Sect 1, Pg 1, L1	0.0004528
Terminating MOU		
UNE End Office Term. Usage Rate	Exh Part C-2, Sect 1, Pg 1, L2	\$0.000397
ISDN BRI		
5ESS	SCIS	52568
DMS	SCIS	13601
	%	79.45%
	%	20.55%
ISDN PRI		
5ESS	SCIS	4372
DMS	SCIS	1969
	%	68.95%
	%	31.05%

Part B-2 Section Index

Section

Switching

- 1 Switch Usage (per MOU)

Trunks

- 2 Common Trunk (Per MOU)

Transport

- 3 Common Transport (Separate File)

Supporting Workpapers

- 4 SCIS End Office Results
- 5 SCIS Tandem Office Results
- 6 RTU Costs
- 7 Features Included in Usage

should not

<i>Input</i>	<i>Reference</i>	<i>Value</i>
Digital Switch EFI Factor	VCOST	0.250000
Power Factor	VCOST	0.058600
Digital Switch ACF	VCOST	0.318264
Land Factor	VCOST	0.003000
Land ACF	VCOST	0.281083
Building Factor	VCOST	0.074900
Building ACF	VCOST	0.410755
Common Overhead Factor	VCOST	0.080300
Gross Revenue Loading Factor	VCOST	0.002707
Right-To -Use Factor	Part G-9	0.000000
VZ Right to Use Factor	Part G-9	0.019700
Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
Fixed Monthly Cost of DS-1 Transport	Part D-6	\$ 46.42
Variable Monthly Cost of DS-1 Transport, per Mile	Part D-6	\$ 1.41
Umbilical to Host Miles	V & H Calculated	9.94
Hosts	SCIS INPUT STATISTICS	133
Tandems	SCIS INPUT STATISTICS	9
SS7 Cost per MOU	N/A	\$ -

ALL SWITCH MODIFICATIONS MADE TO VZ-MA DEFRAGMENTED DATABASE STUDY

Summary

Element	End Office	Tandem	TOPS	IOF
Switching (avg)	0.0004272	0.0001167		
Switching - Orig	0.0004528			
Switching - Term	0.0003973			
Common Trunk	0.0005601	0.0002556	0.0012577	
VZ-MA -As Filed				
Switching (avg)	0.002756	0.0002744		
Switching - Orig	0.0029214			
Switching - Term	0.0025631			
Common Trunk	0.000705	0.0005717	0.0014113	
Differences				
Switching (avg)	-85%	-57%		
Switching - Orig	-85%			
Switching - Term	-85%			
Common Trunk*	-21%	-55%	-11%	

*VZ-MA corrections documented in response to ATT 4-46 included

Switch Usage (per MOU)
VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
End Office			
1	Originating End Office Usage	WP: Part C-2, Sec 1, Pg 1, L34	\$0.000453
2	Terminating End Office Usage	WP: Part C-2, Sec 1, Pg 1, L36	\$0.000397
Tandem			
3	Tandem Usage	WP: Part C-2, Sec 1, Pg 2, L29	\$0.000117

Local Switch Usage

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	C
1	TS Material Investment	WP Part C-2, Sec 4, Pg 1, L25	\$58,812,559
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-2, Sec 4, Pg 2, L12	26,012,508
3	Material Investment per BH MOU	L1/L2	\$2.26093
4	Digital Switch EFI Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$0.565233
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.165613
8	Total In-Place Investment	L3+L5+L7	\$2.991781
9	Digital Switch ACF	VCOST	0.318263529
10	Annual Digital Switch Cost	L8 x L9	\$0.952175
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.008975
13	Land ACF	VCOST	0.281083327
14	Annual Land Cost	L12 x L13	\$0.002523
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.224084
17	Building ACF	VCOST	0.410755193
18	Annual Building Cost	L16 x L17	\$0.092044
19	RTU per MOU	WP Part C-2, Sec 6, PG1, L10	\$0.000000
20	Total TELRIC Annual Cost	(L10+L14+L18+L19)	\$1.046741
21	Common Overhead Factor	VCOST	0.0803
22	Common Overhead Annual Cost	L20 x L21	\$0.084053
23	Gross Revenue Loading Factor	VCOST	0.0027073
24	Gross Revenue Annual Cost	(L20+L22) x L23	\$0.003061
25	Umbilical Cost per BH MOU	WP Part C-2, Sec 4, Pg 3, L12	0.026238
26	Total Cost per BH MOU	L20+L22+L24+L25	\$1.16
27	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
28	Cost per AHD MOU	L26*L27	\$0.000384
29	Non Conversation Time Adjustment	WP Part C-3, Sec 6, Pg 1, 16	1.113
30	Total Switching Cost per MOU	L28*L29	\$0.000427
31	SS7 Cost per MOU	N/A	0
32	Total Cost per Mou	L30 + L31	\$0.000427
33	Originating to Average Ratio	Service Costs	1.06
34	Originating MOU	L32*L33	\$0.000453
35	Terminating to Average Ratio	Service Costs	0.93
36	Terminating MOU	L32*L35	\$0.000397

Tandem Switch Usage

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	TANDEM C
1	TS Material Investment	WP Part C-2, Sec 5, Pg 1, L10	\$12,458,702.00
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-2, Sec 5, Pg 2, L3	21,186,767
3	Material Investment per BH MOU	L1/L2	\$0.58804
4	Digital Switch EFI Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$0.147010
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.043074
8	Total In-Place Investment	L3+L5+L7	\$0.778126
9	Digital Switch ACF	VCOST	0.318263529
10	Annual Digital Switch Cost	L8 x L9	\$0.247649
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.002334
13	Land ACF	VCOST	0.281083327
14	Annual Land Cost	L12 x L13	\$0.000656
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.058282
17	Building ACF	VCOST	0.410755193
18	Annual Building Cost	L16 x L17	\$0.02394
19	RTU per MOU	WP Part C-2, Sec 6, Pg 2, L10	\$0.053441
20	Total TELRIC Annual Cost	(L10+L14+L18+L19)	\$0.325686
21	Common Overhead Factor	VCOST	0.0803
22	Common Overhead Annual Cost	L20 x L21	\$0.026153
23	Gross Revenue Loading Factor	VCOST	0.0027073
24	Gross Revenue Annual Cost	(L20+L22) x L23	\$0.000953
25	Total Switching Cost per BH MOU	L20+L22+L24	\$0.35
26	SS7 Cost per MOU	N/A	\$ -
27	Total Tandem Cost per BH MOU	L25 + L26	\$0.35
28	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
29	Cost per AHD MOU	L26*L27	\$0.000117

Common Trunk (per MOU)
VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
End Office			
1	Common End Office Trunk	WP: Part C-2, Sec 2, Pg 1, L6	\$0.000560
Tandem			
2	Common Tandem Trunk	WP: Part C-2, Sec 2, Pg 2, L6	\$0.000256
TOPS			
3	Common TOPS Trunk	WP: Part C-2, Sec 2, Pg 3, L6	\$0.001258

Common End OfficeTrunk

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	VALUE C
1	Monthly Cost - End Office Trunk (DS-0)	(Exh Part C-1 Sec 5 Page 1) / 24	\$ 4.53
2	BH MOU per Trunk	WP Part C-2, Sec 4, Pg 2, L18	32.07
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
4	Annual MOU	L2/L3	96,972.69
5	Monthly MOU	L4/12	8,081.06
6	Cost per MOU	L1/L5	\$ 0.000560

Common Tandem Trunk

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	VALUE C
1	Monthly Cost - Tandem Trunk (DS-0)	(Exh Part C-1, Sec 6, Page 1, L4) / 24	\$ 2.07
2	Tandem BH MOU per Trunk	WP Part C-2, Sec 5, Pg 2, L3	32.07
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
4	Annual MOU	L2/L3	96,973
5	Monthly MOU	L4/12	8,081.06
6	Cost per MOU	L1/L5	\$ 0.000256

Common TOPS Trunk

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	VALUE C
1	Monthly Cost - TOPS Trunk (DS-0)	(Exh Part C-1, Sec 6.1, Page 1, L4) / 24	\$ 3.15
2	TOPS BH MOU per Trunk	WP Part C-2, Sec 5, Pg 2, L4	9.93
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
4	Annual MOU	L2/L3	30,039
5	Monthly MOU	L4/12	2,503.28
6	Cost per MOU	L1/L5	\$ 0.001258

SCIS End Office Total Material Investment

VERIZON - MASSACHUSETTS

Line #	SCIS Non ISDN:	<u>A</u>	<u>B</u>	<u>C</u>
1.	Getting Started	68718048	48878475	117596523
2.	SM 2000 EPHC	17646109		17646109
3.	Line Term. A+C+D	84059246	59616910	143676156
4.	LINE CCS	24975237	23646433	48621670
5.	Term Call	0	0	0
6.	Trunk CCS	19328519	24045548	43374067
7.	SS7 Link	360475	1693509	2053984
8.	UMBILICAL TRUNK CCS		1,734,901	1734901
9.	-----	\$ 215,087,634	\$ 159,615,776	\$ 374,703,410
	(Sum L1 to L8)			
SCIS ISDN Investments:				
10.	SM 2000 Real Time EPHC	3267350		3267350
11.	BRI - U Card	644240	2980920	3625160
12.	ISDN LINE CCS	1968581	521621	2490202
13.	PRI D CHANNEL	802599	440496	1243095
14.	PRI B CHANNEL	2839891	5079210	7919101
15.	D CH. ACC. PPS	2167388	715082	2882470
16.	PPB CH. ACCESS PPS		486415	486415
17.	INTER-SWITCH PPS	369180	163329	532509
18.	XAT PPS	10408		10408
19.	ADD'L BRI PPB CH.		794180	794180
20.	ADD'L D CH. TERM.		423746	423746
21.	ADD'L XAT Channel	133058		133058
22.	-----	\$ 12,202,695	\$ 11,604,999	\$ 23,807,694
	(Sum L10 to L21)			
23.	Total Local Switch - SCIS (L9 + L22)	\$ 227,290,329	\$ 171,220,775	\$ 398,511,104
24.	Total NTS (L23 - L25)	\$ 197,439,060	\$ 142,259,485	\$ 339,698,545
25.	Total TS (Usage) (L4+ L7 + L8 + L12 + L15 + 16 + L17 + L18)	\$ 29,851,269	\$ 28,961,290	\$ 58,812,559

End Office Minutes of Use

VERIZON - MASSACHUSETTS

		A	B	C
Line		Number of Lines	Zone 1A CCS per Line	TOTAL CCS
A. End Office Lines:				
5ESS CCS:				
1	POTS Lines	2562505	3.72	9532519
2	ISDN BRI Lines	52568	8.98	472061
3	POTS Lines on ISDN Interface			0
4	5ESS CCS TOTAL			10,004,579
5	5ESS MOU TOTAL	(= CCS * 100 / 60)		16,674,299
DMS-100 CCS:				
Number of Lines				
CCS per Line				
TOTAL CCS				
6	POTS Lines	1922925	3.79	7287886
7	ISDN BRI Lines	13601	9.31	126625
8	POTS Lines on ISDN Interface			0
9	DMS-100 CCS TOTAL			7,414,511
10	DMS-100 MOU TOTAL	(= CCS * 100 / 60)		12,357,518
Total				
11	5ESS & DMS-100 CCS			17,419,090
12	5ESS & DMS-100 MOU at Midpoint of Planning Cycle	(= CCS * 100 / 60)*0.896)		26,012,508
13	Annual to Busy Hour Ratio		0.000331	
14	Annual MOUs	(=BH MOU/ABHR)		78,664,331,970
B. End Office Trunks:				
15	5ESS	482733	20.00	9,654,660
16	DMS-100	290112	20.00	5,802,240
17	Digital Trunk CCS /Trunk		20.00	15,456,900
18	Digital Trunk MOU at Midpoint of Planning Cycle		32.07	24,782,563

Notes: 1. MOU = Minutes of Use
2. CCS = Hundred Call Seconds

Umbilical Costs

VERIZON - MASSACHUSETTS

	A	B	C	D
		Monthly	Avg. Miles	-----
L1	-----			196
L2	-----	\$ 46.42		\$9,098
L3	-----	\$ 1.41	9.94	\$2,749
L4	-----			\$11,847
		Monthly	Avg. Miles	-----
L5	-----			745
L6	-----	\$ 46.42		\$34,581
L7	-----	\$ 1.41	9.94	\$10,448
L8	-----			\$45,029
L9	-----		L4D + L8D	\$56,876
L10	-----		L9 * 12	\$682,513
L11	-----	WP Part C-2,Sec 4,L12		26,012,508
L12	-----		L10 / L11	\$0.026238

Tandem Switch Total Investment

VERIZON - MASSACHUSETTS

Line #		ACCESS TANDEM		TOTAL	TOPS
		5 ESS	DMS-200		DMS-200
	SCIS RESULTS: (Lines 1 to 8)				
1.	Getting Started	4,522,742	1,335,312	5,858,054	667,656
2.	SM 2000 EPHC	6,413,573		6,413,573	
3.	A+C				
4.	LINE CCS				
5.	Term Call				
6.	Tdm Trunk CCS	22,900,677	8,074,635	30,975,312	645,614
7.	SS7 Link	35,540	151,535	187,075	8,916
8.	-----	33,872,532	9,561,482	43,434,014	1,322,186
	(Sum L1 to L7)			0	
9.	Total NTS (L3 + L6)	\$ 22,900,677	\$ 8,074,635	30,975,312	\$ 645,614
10.	Total TS (Usage) (L8 - L9)	\$ 10,971,855	\$ 1,486,847	12,458,702	\$ 676,572

Tandem Minutes of Use

VERIZON - MASSACHUSETTS

Line	A	B	C	D	E	F
		No. Digital Trunks	BH CCS / Trunk	BH MOU / Trunk (C * 100/60)	Total BH CCS (B * C)	Planning point (B * D * 0.962)
Tandems						
1	5ESS	547,710	20	33.33	10,954,200	17,563,234
2	DMS	113,000	20	33.33	2,260,000	3,623,533
3	TOTAL			32.07		21,186,767
TOPS						
4	DMS	9,035	5.96	9.93	53,849	86,337.26

RTU Cost per MOU - Local Switching

VERIZON - MASSACHUSETTS

LINE#	ITEM A	SOURCE B	C
1	Total Material Investment	WP Part C-2, Sec 4, Pg 1, L23	\$398,511,104
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-2, Sec 4, Pg 2, L12	26,012,508
3	Total Material Investment per BH MOU	L1/L2	\$ 15.3200
4	Digital Switch EFI Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$ 3.8300
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$ 1.1222
8	Total In-Place Investment	L3+L5+L7	\$ 20.2722
9	Right-To -Use Factor	Part G-9	0
10	Right -To-Use Cost per MOU(BH)	L8 * L9	\$ -

RTU Cost per MOU - Tandem Switching

VERIZON - MASSACHUSETTS

1	Total Material Investment	WP Part C-2, Sec 5, Pg 1, L8	\$43,434,014
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-2, Sec 5, Pg 2, L3	21,186,767
3	Total Material Investment per BH MOU	L1/L2	\$2.05005
4	Digital Switch EFI Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$0.512513
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.150166
8	Total In-Place Investment	L3+L5+L7	\$2.712734
9	Right-To -Use Factor	Part G-9	0.0197
10	Right -To-Use Cost per MOU(BH)	L8 * L9	\$ 0.053441

LOCAL SWITCHING
VERIZON - MASSACHUSETTS
FEATURES INCLUDED IN LOCAL SWITCH USAGE

LINE	ITEM A	ITEM B	ITEM C
1	Authorization Codes	Call Forwarding Variable	Time Key
2	Automatic Route Selection-basic/delux/frt	Call Forwarding Busy Line	Feature Access
3	Automatic Route Selection TOD Routing	Call Forwarding Does Not Answer	CF on 2nd Number
4	Call Park	Call Hold	CFB/DA Split
5	Call Transfer Individual All Calls	Call Pick-Up Groups	Music on Queue UCD
6	Call Waiting Terminating All Calls	Speed Calling Short List	Add on Module
7	Calling Name Display	Trunk Answer Any Line	ARS Pattern
8	Circular Hunting	Last Number Dialed	Feature Display
9	Dial Call Waiting	Directed Call Pick Up W/O Barge-In	Malicious Call Hold
10	Directed Call Pick Up Barge-In	Privacy Release	Code Restriction
11	Executive Busy Override	Calling Number Display	
12	ARS Expansive Route Warning Tone	Multiple Appear Directory Number	
13	Music on Hold	Multiple Call Arrangement	
14	Network Speed Calling (DMS Only)	Single Call Arrangement	
15	Series Hunting	Call Back Queing	
16	Speed Calling Long List	Automatic Answer Back	
17	Time of Day Network Class of Service Routing	Automatic Call Back	
18	Uniform Call Distribution	Automatic Line (Hot Line)	
19	1010XXX + 1 Blocking		
20	All Call Blocking		
21	Billed Number Screening		
22	Blocking of Pay-Per-Call services		
23	Call Forward/Busy		
24	Call Forward/Don't Answer		
25	Call Forward/Variable		
26	Call Park - Directed Call Park		
27	Call Waiting		
28	Custom Ringing (Ringmate)		
29	International Direct Dialing Blocking		
30	Limited InterLATA Dialing		
31	Line Side Answer Supervision		
32	One Way Restore		
33	One way Service (Incoming Only)		
34	Outward Call Screening		
35	Per-Call Blocking		
36	Speed Calling		
37	Subscriber Activated Call Blocking		
38	Suspend and Restore		
39	Add-On Consultation Hold		
40	Bridging		
41	Call Forwarding		
42	Call Forwarding Busy		
43	Call Forwarding Busy Don't Answer		
44	Call Forwarding Busy Incoming		
45	Call Forwarding Don't Answer Incoming Only		
46	Call Forwarding Incoming Only		
47	Call Forwarding Intra Group Only		
48	Call Transfer Individual - All Calls		
49	Call Transfer Internal		
50	Call Transfer Internal Individual Incoming Only		
51	Calling Number Delivery		
52	Calling Number Delivery - Blocking		
53	Circular Hunting		
54	Feature Display		
55	Multiline Hunting		
56	Series Completion		
57	Short Hunt		
58	Time and Date Display		
59	Voice/Data Protection		
60	Call By Call Service Selection		

Comparison of SCIS Material Only and Engineering, Furnished and Installed (EF&I) Cost Results

Using VZ-MA Corrected Defragmented Database

	VZ recalculated-Material	EF&I	Difference
5ESS Total Non-ISDN Investment	\$ 400,582,757	\$ 450,573,610	
5ESS Total ISDN Investment	\$ 36,340,549	\$ 38,146,204	
Total SM EPHC Investment for Pots lines on ISDN Interfaces	\$ 8,205,057	\$ 8,344,872	
5ESS Total Tandem Investment	\$ 70,627,912	\$ 72,879,714	
Grand Total 5ESS Investment	\$ 515,756,275	\$ 569,944,400	
DMS Total Non-ISDN Investment	\$ 159,739,181	\$ 189,117,706	
DMS Total ISDN Investment	\$ 11,604,998	\$ 12,549,715	
DMS Total Tandem Investment	\$ 9,561,482	\$ 11,012,834	
Grand Total DMS Investment	\$ 180,905,661	\$ 212,680,255	
 Total 5E and DMS	 \$ 696,661,936	 \$ 782,624,655	 1.12

Investments obtained from SCIS results

Recommended EF&I Factor	Vendor EF&I	0.12
	Sales tax	0.05
	Telco engineering and install	0.08
	Total EF&I Factor	0.25

Part C-3 Section Index

Section

Switching

- 1 Switch Usage For Reciprocal Compensation (per MOU)

Trunks

- 2 Common Trunk For Reciprocal Compensation (per MOU)

Transport

- 3 Common Transport For Reciprocal Compensation (Separate File)

Supporting Workpapers

- 4 SCIS End Office Results
- 5 SCIS Tandem Office Results
- 6 Non-Conversation Time Adjustments
- 7 Busy Hour to Annual Ratio

should not

<i>Input</i>	<i>Reference</i>	<i>Value</i>
Digital Switch EFI Factor	VCOST	0.250000
Power Factor	VCOST	0.058600
Digital Switch ACF	VCOST	0.318264
Land Factor	VCOST	0.003000
Land ACF	VCOST	0.281083
Building Factor	VCOST	0.074900
Building ACF	VCOST	0.410755
Common Overhead Factor	VCOST	0.080300
Gross Revenue Loading Factor	VCOST	0.002707
Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
Fixed Monthly Cost of DS-1 Transport	Part D-6	\$ 46.42
Variable Monthly Cost of DS-1 Transport, per Mile	Part D-6	\$ 1.41
Office to Tandem Miles	V & H Calculated	16.03
Umbilical to Host Miles	V & H Calculated	9.94
Hosts	SCIS INPUT STATISTICS	133
Tandems	SCIS INPUT STATISTICS	9
SS7 Cost per MOU	Part E	\$ 0.000052

RECALCULATED VZ-MA STUDY WITH CORRECTED DEFRAGMENTED DATABASE;
CORRECTED 5ESS IDLC PORT INVESTMENT; AND VZ-MA CORRECTIONS TO TRUNK MOU
and EF&I set to 25%

Summary

Reciprocal Compensation Elements

	End Office	Tandem
Switching (avg)	0.0010133	0.0001174
Switching - Orig	N/A	
Switching - Term	0.0009423	

Common Trunk	0.000628	0.0005095
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VZ As-Filed

Switching (avg)	0.0011295	0.0001317
Switching - Orig	N/A	
Switching - Term	0.0010505	

Common Trunk*	0.000705	0.0005717
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Common Trunk includes corrections by VZ in response to ATT 4-46.

Difference

Switching (avg)	-10%	-11%
Switching - Orig	N/A	
Switching - Term	-10%	

Common Trunk*	-11%	-11%
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Switch Usage For Reciprocal Compensation
VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
End Office			
1	Originating End Office Usage	N/A	N/A
2	Terminating End Office Usage	WP: Part C-3, Sec 1, Pg 1, L36	\$0.000942
Tandem			
3	Tandem Usage	WP: Part C-3, Sec 1, Pg 2, L29	\$0.000117

Local Switch Usage For Reciprocal Compensation

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	C
1	TS Direct Material Investment	WP Part C-3, Sec 4, Pg 1, L25	\$134,054,110
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-3, Sec 4, Pg 2, L12	26,012,508
3	Material Investment per BH MOU	L1/L2	\$5.15345
4	Digital Switch EFI Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$1.288362
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.377490
8	Total In-Place Investment	L3+L5+L7	\$6.819300
9	Digital Switch ACF	VCOST	0.318263529
10	Annual Digital Switch Cost	L8 x L9	\$2.170335
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.020458
13	Land ACF	VCOST	0.281083327
14	Annual Land Cost	L12 x L13	\$0.005750
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.510766
17	Building ACF	VCOST	0.410755193
18	Annual Building Cost	L16 x L17	\$0.209800
19	RTU per MOU	N/A	\$0.000000
20	Total TELRIC Annual Cost	(L10+L14+L18+L19)	\$2.385885
21	Common Overhead Factor	VCOST	0.0803
22	Common Overhead Annual Cost	L20 x L21	\$0.191587
23	Gross Revenue Loading Factor	VCOST	0.0027073
24	Gross Revenue Annual Cost	(L20+L22) x L23	\$0.006978
25	Umbilical Cost per BH MOU	WP Part C-3, Sec 4, Pg 3, L12	\$ 0.026238
26	Total Cost per BH MOU	L20+L22+L24+L25	\$2.61
27	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
28	Cost per AHD MOU	L26*L27	\$0.000863
29	Non Conversation Time Adjustment	WP Part C-3, Sec 6, Pg 1, L16	1.113
30	Total Switching Cost per MOU	L28*L29	\$0.000961
31	SS7 cost per MOU	Part E	\$0.000052
32	Total Cost per Mou	L30 + L31	\$0.001013
33	Originating to Average Ratio	N/A	N/A
34	Originating MOU	N/A	N/A
35	Terminating to Average Ratio	Service Costs	0.930000
36	Terminating MOU	L32*L35	\$0.000942

Tandem Switch Usage For Reciprocal Compensation

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	TANDEM C
1	TS Direct Material Investment	WP Part C-3, Sec 5, Pg 1, L10	\$13,320,623.00
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-3, Sec 5, Pg 2, L3	18,818,027
3	Material Investment per BH MOU	L1/L2	\$0.70787
4	Digital Switch EFI Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$0.176966
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.051851
8	Total In-Place Investment	L3+L5+L7	\$0.936682
9	Digital Switch ACF	VCOST	0.318263529
10	Annual Digital Switch Cost	L8 x L9	\$0.298112
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.002810
13	Land ACF	VCOST	0.281083327
14	Annual Land Cost	L12 x L13	\$0.000790
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.070158
17	Building ACF	VCOST	0.410755193
18	Annual Building Cost	L16 x L17	\$0.02882
19	RTU per MOU	N/A	\$0.000000
20	Total TELRIC Annual Cost	(L10+L14+L18+L19)	\$0.327719
21	Common Overhead Factor	VCOST	0.0803
22	Common Overhead Annual Cost	L20 x L21	\$0.026316
23	Gross Revenue Loading Factor	VCOST	0.0027073
24	Gross Revenue Annual Cost	(L20+L22) x L23	\$0.000958
25	Total Switching Cost per BH MOU	L20+L22+L24	\$0.35
26	SS7 cost per MOU	Part E	\$0.000052
27	Total Tandem Cost per BH MOU	L25 + L26	\$0.36
28	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
29	Cost per AHD MOU	L26*L27	\$0.000117

Common Trunk For Reciprocal Compensation
VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
End Office			
1	Common End Office Trunk	WP: Part C-3, Sec 2, Pg 1, L6	\$0.000628
Tandem			
2	Common Tandem Trunk	WP: Part C-3, Sec 2, Pg 2, L6	\$0.000509

Common End Office Trunk For Reciprocal Compensation

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	VALUE C
1	Monthly Cost - End Office Trunk (DS-0)	(Exh Part C-1 Sec 5 Page 1) / 24	\$ 3.91
2	BH MOU per Trunk	WP Part 3-2, Sec 4, Pg 2, L18	24.66
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
4	Annual MOU	L2/L3	74,575.60
5	Monthly MOU	L4/12	6,214.63
6	Cost per MOU	L1/L5	\$ 0.000628

Common Tandem Trunk For Reciprocal Compensation

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	VALUE C
1	Monthly Cost - Tandem Trunk (DS-0)	(Exh Part C-1, Sec 6, Page 1, L4) / 24	\$3.66
2	Tandem BH MOU per Trunk	WP Part C-3, Sec 5, Pg 2, L3D	28.48
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
4	Annual MOU	L2/L3	86,131
5	Monthly MOU	L4/12	7,177.57
6	Cost per MOU	L1/L5	\$ 0.000509

SCIS End Office Direct Material Investment

VERIZON - MASSACHUSETTS

Line #	SCIS Non ISDN:	A 5 ESS	B DMS	C Meld
1.	Getting Started	0	0	0
2.	SM 2000 EPHC	36024789		36024789
3.	Line Term. A+C+D	150371657	59616910	209988567
4.	LINE CCS	50951958	23646433	74598391
5.	Term Call	0	0	0
6.	Trunk CCS	39468836	24045548	63514384
7.	SS7 Link	736089	1693509	2429598
8.	UMBILICAL TRUNK CCS		1,734,901	1734901
9.	-----	\$ 277,553,329	\$ 110,737,301	\$ 388,290,630
	(Sum L1 to L8)			
SCIS ISDN Investments:				
10.	SM 2000 Real Time EPHC	6670743		6670743
11.	BRI - U Card	12702850	2980920	15683770
12.	ISDN LINE CCS	4019406	521621	4541027
13.	PRI D CHANNEL	1638908	440496	2079404
14.	PRI B CHANNEL	5799056	5079210	10878266
15.	D CH. ACC. PPS	4425144	715082	5140226
16.	PPB CH. ACCESS PPS		486415	486415
17.	INTER-SWITCH PPS	753807	163329	917136
18.	XAT PPS	21253		21253
19.	ADD'L BRI PPB CH.		794180	794180
20.	ADD'L D CH. TERM.		423746	423746
21.	ADD'L XAT Channel	271705		271705
22.	-----	\$ 36,302,872	\$ 11,604,999	\$ 47,907,871
	(Sum L10 to L21)			
23.	Total Local Switch - SCIS (L9 + L22)	\$ 313,856,201	\$ 122,342,300	\$ 436,198,501
24.	Total NTS (L3 + L6 + L11 + L13 + L14)	\$ 209,981,307	\$ 92,163,084	\$ 302,144,391
25.	Total TS (Usage) (L23 - L24)	\$ 103,874,894	\$ 30,179,216	\$ 134,054,110

End Office Minutes of Use

VERIZON - MASSACHUSETTS

	A	B	C	
Line	Number of Lines	Zone 1A CCS per Line	TOTAL CCS	
A. End Office Lines:				
5ESS CCS:				
1	POTS Lines	2562505	3.72	9532519
2	ISDN BRI Lines	52568	8.98	472061
3	POTS Lines on ISDN Interface			0
4	5ESS CCS TOTAL			10,004,579
5	5ESS MOU TOTAL (= CCS * 100 / 60)			16,674,299
DMS-100 CCS:				
Number of Lines				
CCS per Line				
TOTAL CCS				
6	POTS Lines	1922925	3.79	7287886
7	ISDN BRI Lines	13601	9.31	126625
8	POTS Lines on ISDN Interface			0
9	DMS-100 CCS TOTAL			7,414,511
10	DMS-100 MOU TOTAL (= CCS * 100 / 60)			12,357,518
Total				
11	5ESS & DMS-100 CCS			17,419,090
12	5ESS & DMS-100 MOU at Midpoint of Planning Cycle (= CCS * 100 / 60)*0.896)			26,012,508
13	Annual to Busy Hour Ratio		0.000331	
14	Annual MOUs	(=BH MOU/ABHR)		78,664,331,970
B. End Office Trunks:				
15	5ESS	482733	15.88	7,665,800
16	DMS-100	290112	14.55	4,221,130
17	Digital Trunk CCS /Trunk		15.38	11,886,930
18	Digital Trunk MOU at Midpoint of Planning Cycle		24.66	19,058,711

Notes: 1. MOU = Minutes of Use
2. CCS = Hundred Call Seconds

Umbilical Costs

VERIZON - MASSACHUSETTS

	A	B	C	D
		Monthly	Avg. Miles	-----
L1	-----			196
L2	-----	\$ 46.42		\$9,098
L3	-----	\$ 1.41	9.94	\$2,749
L4	-----			\$11,847
		Monthly	Avg. Miles	-----
L5	-----			745
L6	-----	\$ 46.42		\$34,581
L7	-----	\$ 1.41	9.94	\$10,448
L8	-----			\$45,029
L9	-----		L4D + L8D	\$56,876
L10	-----		L9 * 12	\$682,513
L11	-----	WP Part 2,Sec 4,L12C		26,012,508
L12	-----		L10 / L11	\$0.026238

Tandem Switch Direct Investment

VERIZON - MASSACHUSETTS

Line #	ACCESS TANDEMS			TOTAL
	5 ESS	DMS-200		
SCIS RESULTS:				
(Lines 1 to 8)				
1.	Getting Started	0	0	0
2.	SM 2000 EPHC	13,096,516		
3.	A+C			
4.	LINE CCS			
5.	Term Call			
6.	Tdm Trunk CCS	46,763,182	8,074,635	54,837,817
7.	SS7 Link	72,572	151,535	224,107
8.	-----	59,932,270	8,226,170	68,158,440
(Sum L1 to L7)				
				0
9.	Total NTS (L3 + L6)	\$ 46,763,182	\$ 8,074,635	54,837,817
10.	Total TS (Usage) (L8 - L9)	\$ 13,169,088	\$ 151,535	13,320,623

Tandem Minutes of Use

VERIZON - MASSACHUSETTS

Line	A	B	C	D	E	F
		No. Digital Trunks	BH CCS / Trunk	BH MOU / Trunk (C * 100/60)	Total BH CCS (B * C)	Planning point (B * D * 0.896)
	Tandems					
1	5ESS	547,710	17.74	29.57	9,716,375	15,578,589
2	DMS	113,000	17.88	29.80	2,020,440	3,239,439
3	TOTAL	660,710		28.48		18,818,027

Non-Conversation Time Adjustments

VERIZON - MASSACHUSETTS

LINE#	ITEM A	SOURCE B	5ESS C	DMS D
1	Average BH CCS per Main Station - Analog Lines	SCIS Input Statistics	3.720	3.790
2	Average BH Calls per Main Station - Analog Lines	SCIS Input Statistics	2.360	2.180
3	Average Holding Time (in sec) per BH Call - Analog Lines	L1/L2*100	157.627	173.853
4	Average BH CCS per Main Station - Digital Lines	SCIS Input Statistics	3.720	3.790
5	Average BH Calls per Main Station - Digital Lines	SCIS Input Statistics	2.360	2.180
6	Average Holding Time (in sec) per BH Call - Digital Lines	L4/L5	157.627	173.853
7	Analog Lines	SCIS Input Statistics	1921950	1442194
8	Digital Lines	SCIS Input Statistics	640555	480731
9	Percent Analog Lines	L7/ (L7C-D+L8C-D)	42.85%	32.15%
10	Percent Digital Lines	L8/ (L7C-D +L8C-D)	14.28%	10.72%
11	Weighted Average Holding Time by Technology	L3*L9 + L6*L10	90.052	74.532
12	Weighted Average Holding Time	L11C+L11D+L11E	164.583	
13	NCT per Attempt	Call Setup Analysis	13.36	
14	Completion Ratio	Call Setup Analysis	0.715	
15	Total NCT per Call	L13 / L14	18.679	
16	NCT Adjustment Factor	(L12 + L15)/L12	1.113	

Busy Hour to Annual Conversion Factor

VERIZON - MASSACHUSETTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Number of days in a year	calendar	365
2	Number of Saturdays and Sundays	2*52weeks	104
3	Number of Holidays	calendar	10
4	Number of Average Business Days (ABD)	L1-L2-L3	251
5	Busy Hour (BH) to All Hours of Day (AHD)	Service Costs	0.083
6	Busy Hour to Annual Conversion Factor	L5/L4	0.000331

Part B-2 Section Index

Section

Switching

- 1 Switch Usage (per MOU)

Trunks

- 2 Common Trunk (Per MOU)

Transport

- 3 Common Transport (Separate File)

Supporting Workpapers

- 4 SCIS End Office Results
- 5 SCIS Tandem Office Results
- 6 RTU Costs
- 7 Features Included in Usage

should not

<i>Input</i>	<i>Reference</i>	<i>Value</i>
Digital Switch EFI Factor	VCOST	0.250000
Power Factor	VCOST	0.058600
Digital Switch ACF	VCOST	0.318264
Land Factor	VCOST	0.003000
Land ACF	VCOST	0.281083
Building Factor	VCOST	0.074900
Building ACF	VCOST	0.410755
Common Overhead Factor	VCOST	0.080300
Gross Revenue Loading Factor	VCOST	0.002707
Right-To -Use Factor	Part G-9	0.019700
Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
Fixed Monthly Cost of DS-1 Transport	Part D-6	\$ 46.42
Variable Monthly Cost of DS-1 Transport, per Mile	Part D-6	\$ 1.41
Umbilical to Host Miles	V & H Calculated	9.94
Hosts	SCIS INPUT STATISTICS	133
Tandems	SCIS INPUT STATISTICS	9
SS7 Cost per MOU	N/A	\$ -

RECALCULATED VZ-MA STUDY WITH CORRECTED DEFRAGMENTED DATABASE;
 CORRECTED 5ESS IDLC PORT INVESTMENT; AND VZ-MA CORRECTIONS TO TRUNK MOU
 and EF&I set to 25%

Summary

Element	End Office	Tandem	TOPS	IOF
Switching (avg)	0.0024534	0.0002445		
Switching - Orig	0.0026006			
Switching - Term	0.0022817			
Common Trunk	0.0006284	0.0005095	0.0012577	
VZ-MA -As Filed				
Switching (avg)	0.002756	0.0002744		
Switching - Orig	0.0029214			
Switching - Term	0.0025631			
Common Trunk	0.000705	0.0005717	0.0014113	
Differences				
Switching (avg)	-11%	-11%		
Switching - Orig	-11%			
Switching - Term	-11%			
Common Trunk*	-11%	-11%	-11%	

*VZ-MA corrections to trunk MOU included as documented in response to ATT 4-46.

Switch Usage (per MOU)
VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
End Office			
1	Originating End Office Usage	WP: Part C-2, Sec 1, Pg 1, L34	\$0.002601
2	Terminating End Office Usage	WP: Part C-2, Sec 1, Pg 1, L36	\$0.002282
Tandem			
3	Tandem Usage	WP: Part C-2, Sec 1, Pg 2, L29	\$0.000244

Local Switch Usage

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	C
1	TS Material Investment	WP Part C-2, Sec 4, Pg 1, L25	\$309,796.195
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-2, Sec 4, Pg 2, L12	26,012,508
3	Material Investment per BH MOU	L1/L2	\$11.90951
4	Digital Switch EFI Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$2.977377
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.872372
8	Total In-Place Investment	L3+L5+L7	\$15.759258
9	Digital Switch ACF	VCOST	0.318263529
10	Annual Digital Switch Cost	L8 x L9	\$5.015597
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.047278
13	Land ACF	VCOST	0.281083327
14	Annual Land Cost	L12 x L13	\$0.013289
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$1.180368
17	Building ACF	VCOST	0.410755193
18	Annual Building Cost	L16 x L17	\$0.484842
19	RTU per MOU	WP Part C-2, Sec 6, PG1, L10	\$0.613247
20	Total TELRIC Annual Cost	(L10+L14+L18+L19)	\$6.126975
21	Common Overhead Factor	VCOST	0.0803
22	Common Overhead Annual Cost	L20 x L21	\$0.491996
23	Gross Revenue Loading Factor	VCOST	0.0027073
24	Gross Revenue Annual Cost	(L20+L22) x L23	\$0.017920
25	Umbilical Cost per BH MOU	WP Part C-2, Sec 4, Pg 3, L12	0.026238
26	Total Cost per BH MOU	L20+L22+L24+L25	\$6.66
27	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
28	Cost per AHD MOU	L26*L27	\$0.002203
29	Non Conversation Time Adjustment	WP Part C-3, Sec 6, Pg 1, 16	1.113
30	Total Switching Cost per MOU	L28*L29	\$0.002453
31	SS7 Cost per MOU	N/A	0
32	Total Cost per Mou	L30 + L31	\$0.002453
33	Originating to Average Ratio	Service Costs	1.06
34	Originating MOU	L32*L33	\$0.002601
35	Terminating to Average Ratio	Service Costs	0.93
36	Terminating MOU	L32*L35	\$0.002282

Tandem Switch Usage

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	TANDEM C
1	TS Material Investment	WP Part C-2, Sec 5, Pg 1, L10	\$23,341,671.00
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-2, Sec 5, Pg 2, L3	18,818,027
3	Material Investment per BH MOU	L1/L2	\$1.24039
4	Digital Switch EFI Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$0.310097
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.090858
8	Total In-Place Investment	L3+L5+L7	\$1.641345
9	Digital Switch ACF	VCOST	0.318263529
10	Annual Digital Switch Cost	L8 x L9	\$0.522380
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.004924
13	Land ACF	VCOST	0.281083327
14	Annual Land Cost	L12 x L13	\$0.001384
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.122937
17	Building ACF	VCOST	0.410755193
18	Annual Building Cost	L16 x L17	\$0.05050
19	RTU per MOU	WP Part C-2, Sec 6, Pg 2, L10	\$0.108300
20	Total TELRIC Annual Cost	(L10+L14+L18+L19)	\$0.682561
21	Common Overhead Factor	VCOST	0.0803
22	Common Overhead Annual Cost	L20 x L21	\$0.054810
23	Gross Revenue Loading Factor	VCOST	0.0027073
24	Gross Revenue Annual Cost	(L20+L22) x L23	\$0.001996
25	Total Switching Cost per BH MOU	L20+L22+L24	\$0.74
26	SS7 Cost per MOU	N/A	\$ -
27	Total Tandem Cost per BH MOU	L25 + L26	\$0.74
28	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
29	Cost per AHD MOU	L26*L27	\$0.000244

Common Trunk (per MOU)
VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
End Office			
1	Common End Office Trunk	WP: Part C-2, Sec 2, Pg 1, L6	\$0.000628
Tandem			
2	Common Tandem Trunk	WP: Part C-2, Sec 2, Pg 2, L6	\$0.000509
TOPS			
3	Common TOPS Trunk	WP: Part C-2, Sec 2, Pg 3, L6	\$0.001258

Common End OfficeTrunk

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	VALUE C
1	Monthly Cost - End Office Trunk (DS-0)	(Exh Part C-1 Sec 5 Page 1) / 24	\$ 3.91
2	BH MOU per Trunk	WP Part C-2, Sec 4, Pg 2, L18	24.66
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
4	Annual MOU	L2/L3	74,575.60
5	Monthly MOU	L4/12	6,214.63
6	Cost per MOU	L1/L5	\$ 0.000628

Common Tandem Trunk

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	VALUE C
1	Monthly Cost - Tandem Trunk (DS-0)	(Exh Part C-1, Sec 6, Page 1, L4) / 24	\$ 3.66
2	Tandem BH MOU per Trunk	WP Part C-2, Sec 5, Pg 2, L3	28.48
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
4	Annual MOU	L2/L3	86,131
5	Monthly MOU	L4/12	7,177.57
6	Cost per MOU	L1/L5	\$ 0.000509

Common TOPS Trunk

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	VALUE C
1	Monthly Cost - TOPS Trunk (DS-0)	(Exh Part C-1, Sec 6.1, Page 1, L4) / 24	\$ 3.15
2	TOPS BH MOU per Trunk	WP Part C-2, Sec 5, Pg 2, L4	9.93
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
4	Annual MOU	L2/L3	30,039
5	Monthly MOU	L4/12	2,503.28
6	Cost per MOU	L1/L5	\$ 0.001258

SCIS End Office Total Material Investment

VERIZON - MASSACHUSETTS

Line #	SCIS Non ISDN:	A 5 ESS	B DMS	C Meld
1.	Getting Started	126863610	48878475	175742085
2.	SM 2000 EPHC	36024789		36024789
3.	Line Term. A+C+D	150371657	59616910	209988567
4.	LINE CCS	50951958	23646433	74598391
5.	Term Call	0	0	0
6.	Trunk CCS	39468836	24045548	63514384
7.	SS7 Link	736089	1693509	2429598
8.	UMBILICAL TRUNK CCS		1,734,901	1734901
9.	-----	\$ 404,416,939	\$ 159,615,776	\$ 564,032,715
	(Sum L1 to L8)			
SCIS ISDN Investments:				
10.	SM 2000 Real Time EPHC	6670743		6670743
11.	BRI - U Card	12702850	2980920	15683770
12.	ISDN LINE CCS	4019406	521621	4541027
13.	PRI D CHANNEL	1638908	440496	2079404
14.	PRI B CHANNEL	5799056	5079210	10878266
15.	D CH. ACC. PPS	4425144	715082	5140226
16.	PPB CH. ACCESS PPS		486415	486415
17.	INTER-SWITCH PPS	753807	163329	917136
18.	XAT PPS	21253		21253
19.	ADD'L BRI PPB CH.		794180	794180
20.	ADD'L D CH. TERM.		423746	423746
21.	ADD'L XAT Channel	271705		271705
22.	-----	\$ 36,302,872	\$ 11,604,999	\$ 47,907,871
	(Sum L10 to L21)			
23.	Total Local Switch - SCIS (L9 + L22)	\$ 440,719,811	\$ 171,220,775	\$ 611,940,586
24.	Total NTS (L3 + L6 + L11 + L13 + L14)	\$ 209,981,307	\$ 92,163,084	\$ 302,144,391
25.	Total TS (Usage) (L23 - L24)	\$ 230,738,504	\$ 79,057,691	\$ 309,796,195

End Office Minutes of Use

VERIZON - MASSACHUSETTS

		A	B	C
Line		Number of Lines	Zone 1A CCS per Line	TOTAL CCS
A. End Office Lines:				
5ESS CCS:				
1	POTS Lines	2562505	3.72	9532519
2	ISDN BRI Lines	52568	8.98	472061
3	POTS Lines on ISDN Interface			0
4	5ESS CCS TOTAL			10,004,579
5	5ESS MOU TOTAL	(= CCS * 100 / 60)		16,674,299
DMS-100 CCS:				
Number of Lines				
CCS per Line				
TOTAL CCS				
6	POTS Lines	1922925	3.79	7287886
7	ISDN BRI Lines	13601	9.31	126625
8	POTS Lines on ISDN Interface			0
9	DMS-100 CCS TOTAL			7,414,511
10	DMS-100 MOU TOTAL	(= CCS * 100 / 60)		12,357,518
Total				
11	5ESS & DMS-100 CCS			17,419,090
12	5ESS & DMS-100 MOU at Midpoint of Planning Cycle	(= CCS * 100 / 60)*0.896)		26,012,508
13	Annual to Busy Hour Ratio		0.000331	
14	Annual MOUs	(=BH MOU/ABHR)		78,664,331,970
B. End Office Trunks:				
15	5ESS	482733	15.88	7,665,800
16	DMS-100	290112	14.55	4,221,130
17	Digital Trunk CCS /Trunk		15.38	11,886,930
18	Digital Trunk MOU at Midpoint of Planning Cycle		24.66	19,058,711

Notes: 1. MOU = Minutes of Use
2. CCS = Hundred Call Seconds

Umbilical Costs

VERIZON - MASSACHUSETTS

	A	B	C	D
		Monthly	Avg. Miles	
L1	-----			196
L2	-----	\$ 46.42		\$9,098
L3	-----	\$ 1.41	9.94	\$2,749
L4	-----			\$11,847
		Monthly	Avg. Miles	
L5	-----			745
L6	-----	\$ 46.42		\$34,581
L7	-----	\$ 1.41	9.94	\$10,448
L8	-----			\$45,029
L9	-----		L4D + L8D	\$56,876
L10	-----		L9 * 12	\$682,513
L11	-----	WP Part C-2,Sec 4,L12		26,012,508
L12	-----		L10 / L11	\$0.026238

Tandem Switch Total Investment

VERIZON - MASSACHUSETTS

Line #		ACCESS TANDEM		TOTAL	TOPS
		5 ESS	DMS-200		DMS-200
SCIS RESULTS:					
(Lines 1 to 8)					
1.	Getting Started	8,685,736	1,335,312	10,021,048	667,656
2.	SM 2000 EPHC	13,096,516			
3.	A+C				
4.	LINE CCS				
5.	Term Call				
6.	Tdm Trunk CCS	46,763,182	8,074,635	54,837,817	645,614
7.	SS7 Link	72,572	151,535	224,107	8,916
8.	-----	68,618,006	9,561,482	78,179,488	1,322,186
(Sum L1 to L7)				0	
9.	Total NTS (L3 + L6)	\$ 46,763,182	\$ 8,074,635	54,837,817	\$ 645,614
10.	Total TS (Usage) (L8 - L9)	\$ 21,854,824	\$ 1,486,847	23,341,671	\$ 676,572

Tandem Minutes of Use

VERIZON - MASSACHUSETTS

Line	A	B	C	D	E	F
		No. Digital Trunks	BH CCS / Trunk	BH MOU / Trunk (C * 100/60)	Total BH CCS (B * C)	Planning point (B * D * 0.962)
Tandems						
1	5ESS	547,710	17.74	29.57	9,716,375	15,578,589
2	DMS	113,000	17.88	29.80	2,020,440	3,239,439
3	TOTAL			28.48		18,818,027
TOPS						
4	DMS	9,035	5.96	9.93	53,849	86,337.26

RTU Cost per MOU - Local Switching

VERIZON - MASSACHUSETTS

LINE#	ITEM A	SOURCE B	C
1	Total Material Investment	WP Part C-2, Sec 4, Pg 1, L23	\$611,940,586
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-2, Sec 4, Pg 2, L12	26,012,508
3	Total Material Investment per BH MOU	L1/L2	\$23.52486
4	Digital Switch EFI Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$5.881215
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$1.723196
8	Total In-Place Investment	L3+L5+L7	\$31.129270
9	Right-To -Use Factor	Part G-9	0.0197
10	Right -To-Use Cost per MOU(BH)	L8 * L9	\$ 0.613247

RTU Cost per MOU - Tandem Switching

VERIZON - MASSACHUSETTS

1	Total Material Investment	WP Part C-2, Sec 5, Pg 1, L8	\$78,179,488
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-2, Sec 5, Pg 2, L3	18,818,027
3	Total Material Investment per BH MOU	L1/L2	\$4.15450
4	Digital Switch EFI Factor	VCOST	0.25
5	Installation Cost	L3 x L4	\$1.038625
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.304317
8	Total In-Place Investment	L3+L5+L7	\$5.497442
9	Right-To -Use Factor	Part G-9	0.0197
10	Right -To-Use Cost per MOU(BH)	L8 * L9	\$ 0.108300

LOCAL SWITCHING
VERIZON - MASSACHUSETTS
FEATURES INCLUDED IN LOCAL SWITCH USAGE

LINE	ITEM A	ITEM B	ITEM C
1	Authorization Codes	Call Forwarding Variable	Time Key
2	Automatic Route Selection-basic/delux/frt	Call Forwarding Busy Line	Feature Access
3	Automatic Route Selection TOD Routing	Call Forwarding Does Not Answer	CF on 2nd Number
4	Call Park	Call Hold	CFB/DA Split
5	Call Transfer Individual All Calls	Call Pick-Up Groups	Music on Queue UCD
6	Call Waiting Terminating All Calls	Speed Calling Short List	Add on Module
7	Calling Name Display	Trunk Answer Any Line	ARS Pattern
8	Circular Hunting	Last Number Dialed	Feature Display
9	Dial Call Waiting	Directed Call Pick Up W/O Barge-In	Malicious Call Hold
10	Directed Call Pick Up Barge-In	Privacy Release	Code Restriction
11	Executive Busy Override	Calling Number Display	
12	ARS Expansive Route Warning Tone	Multiple Appear Directory Number	
13	Music on Hold	Multiple Call Arrangement	
14	Network Speed Calling (DMS Only)	Single Call Arrangement	
15	Series Hunting	Call Back Queing	
16	Speed Calling Long List	Automatic Answer Back	
17	Time of Day Network Class of Service Routing	Automatic Call Back	
18	Uniform Call Distribution	Automatic Line (Hot Line)	
19	1010XXX + 1 Blocking		
20	All Call Blocking		
21	Billed Number Screening		
22	Blocking of Pay-Per-Call services		
23	Call Forward/Busy		
24	Call Forward/Don't Answer		
25	Call Forward/Variable		
26	Call Park - Directed Call Park		
27	Call Waiting		
28	Custom Ringing (Ringmate)		
29	International Direct Dialing Blocking		
30	Limited InterLATA Dialing		
31	Line Side Answer Supervision		
32	One Way Restore		
33	One way Service (Incoming Only)		
34	Outward Call Screening		
35	Per-Call Blocking		
36	Speed Calling		
37	Subscriber Activated Call Blocking		
38	Suspend and Restore		
39	Add-On Consultation Hold		
40	Bridging		
41	Call Forwarding		
42	Call Forwarding Busy		
43	Call Forwarding Busy Don't Answer		
44	Call Forwarding Busy Incoming		
45	Call Forwarding Don't Answer Incoming Only		
46	Call Forwarding Incoming Only		
47	Call Forwarding Intra Group Only		
48	Call Transfer Individual - All Calls		
49	Call Transfer Internal		
50	Call Transfer Internal Individual Incoming Only		
51	Calling Number Delivery		
52	Calling Number Delivery - Blocking		
53	Circular Hunting		
54	Feature Display		
55	Multiline Hunting		
56	Series Completion		
57	Short Hunt		
58	Time and Date Display		
59	Voice/Data Protection		
60	Call By Call Service Selection		

Reduced Costs Associated with IDLC Using VZ-MA Corrected Defragmented Database

Office		DMS with 25% IDLC	DMS with 49.2% IDLC	Difference	5ESS with 25% IDLC	5ESS with 49.2% IDLC	Difference	Weighted Average
1.	Getting Started	\$ 761,729	\$ 761,729		\$ 1,072,320	\$ 1,072,320		
2.	SM 2000 EPHC				\$ 355,824	\$ 345,879		
3.	Line Term. A+C+D	\$ 871,476	\$ 604,964		\$ 1,160,997	\$ 938,895		
4.	LINE CCS	\$ 367,530	\$ 390,204		\$ 225,337	\$ 312,799		
5.	Term Call							
6.	Trunk CCS	\$ 260,313	\$ 260,313		\$ 240,711	\$ 280,299		
7.	SS7 Link	\$ 28,689	\$ 28,689		\$ 10,367	\$ 10,367		
8.	UMBILICAL TRUNK CCS							
9.	TOTAL Non-ISDN (Sum L1 to L8)	\$ 2,289,737	\$ 2,045,899		\$ 3,065,556	\$ 2,960,559		
SCIS ISDN Investments:								
10.	SM 2000 Real Time EPHC				\$ 165,875	\$ 197,073		
11.	BRI - U Card	\$ 32,531	\$ 32,474		\$ 24,284	\$ 24,121		
12.	ISDN LINE CCS	\$ 3,783	\$ 3,783		\$ 7,510	\$ 7,511		
13.	PRI D CHANNEL				\$ 30,929	\$ 30,746		
14.	PRI B CHANNEL				\$ 102,409	\$ 102,409		
15.	D CH. ACC. PPS	\$ 6,239	\$ 6,239		\$ 4,961	\$ 4,961		
16.	PPB CH. ACCESS PPS	\$ 11,619	\$ 11,619					
17.	INTER-SWITCH PPS	\$ 2,963	\$ 2,963		\$ 10,406	\$ 10,406		
18.	XAT PPS				\$ 304	\$ 304		
19.	ADD'L BRI PPB CH.	\$ 24,696	\$ 24,696					
20.	ADD'L D CH. TERM.	\$ 2,211	\$ 2,211					
21.	ADD'L XAT Channel				\$ 3,877	\$ 3,873		
22.	TOTAL ISDN (Sum L10 to L21)	\$ 84,042	\$ 83,985		\$ 350,555	\$ 381,404		
23.	Total Local Switch - SCIS (L9 + L22)	\$ 2,373,779	\$ 2,129,884	-10.3%	\$ 3,416,111	\$ 3,341,963	-2.2%	
2.37	Melded port	\$ 30.12	\$ 20.91	-30.6%	\$ 56.43	\$ 43.73	-22.5%	-26%
	IDLC Port	\$ 5.14	\$ 2.78	-46.0%	\$ 27.14	\$ 22.93	-15.5%	-29%
Weightings								
	DMS		42.87%					
	5E		57.13%					

Part C-3 Section Index

Section

Switching

- 1 Switch Usage For Reciprocal Compensation (per MOU)

Trunks

- 2 Common Trunk For Reciprocal Compensation (per MOU)

Transport

- 3 Common Transport For Reciprocal Compensation (Separate File)

Supporting Workpapers

- 4 SCIS End Office Results
- 5 SCIS Tandem Office Results
- 6 Non-Conversation Time Adjustments
- 7 Busy Hour to Annual Ratio

should not

<i>Input</i>	<i>Reference</i>	<i>Value</i>
Digital Switch EFI Factor	VCOST	0.402700
Power Factor	VCOST	0.058600
Digital Switch ACF	VCOST	0.318264
Land Factor	VCOST	0.003000
Land ACF	VCOST	0.281083
Building Factor	VCOST	0.074900
Building ACF	VCOST	0.410755
Common Overhead Factor	VCOST	0.080300
Gross Revenue Loading Factor	VCOST	0.002707
Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
Fixed Monthly Cost of DS-1 Transport	Part D-6	\$ 46.42
Variable Monthly Cost of DS-1 Transport, per Mile	Part D-6	\$ 1.41
Office to Tandem Miles	V & H Calculated	16.03
Umbilical to Host Miles	V & H Calculated	9.94
Hosts	SCIS INPUT STATISTICS	133
Tandems	SCIS INPUT STATISTICS	9
SS7 Cost per MOU	Part E	\$ 0.000052

RECALCULATED VZ-MA STUDY WITH DEFRAGMENTED DATABASE;
CORRECTED 5ESS IDLC PORT INVESTMENT; AND VZ-MA CORRECTIONS TO TRUNK MOU

Summary

Reciprocal Compensation Elements

	End Office	Tandem
Switching (avg)	0.0011295	0.0001317
Switching - Orig	N/A	
Switching - Term	0.0010505	
Common Trunk	0.000705	0.0005717

VZ As-Filed

Switching (avg)	0.0011295	0.0001317
Switching - Orig	N/A	
Switching - Term	0.0010505	
Common Trunk*	0.000705	0.0005717

Common Trunk includes corrections by VZ in response to ATT 4-46.

Difference

Switching (avg)	0.0%	0.0%
Switching - Orig	N/A	
Switching - Term	0.0%	
Common Trunk*	0.0%	0.0%

Switch Usage For Reciprocal Compensation
VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
End Office			
1	Originating End Office Usage	N/A	N/A
2	Terminating End Office Usage	WP: Part C-3, Sec 1, Pg 1, L36	\$0.001050
Tandem			
3	Tandem Usage	WP: Part C-3, Sec 1, Pg 2, L29	\$0.000132

Local Switch Usage For Reciprocal Compensation

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	C
1	TS Direct Material Investment	WP Part C-3, Sec 4, Pg 1, L25	\$134,054,110
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-3, Sec 4, Pg 2, L12	26,012,508
3	Material Investment per BH MOU	L1/L2	\$5.15345
4	Digital Switch EFI Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$2.075294
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.423604
8	Total In-Place Investment	L3+L5+L7	\$7.652346
9	Digital Switch ACF	VCOST	0.318263529
10	Annual Digital Switch Cost	L8 x L9	\$2.435463
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.022957
13	Land ACF	VCOST	0.281083327
14	Annual Land Cost	L12 x L13	\$0.006453
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.573161
17	Building ACF	VCOST	0.410755193
18	Annual Building Cost	L16 x L17	\$0.235429
19	RTU per MOU	N/A	\$0.000000
20	Total TELRIC Annual Cost	(L10+L14+L18+L19)	\$2.677344
21	Common Overhead Factor	VCOST	0.0803
22	Common Overhead Annual Cost	L20 x L21	\$0.214991
23	Gross Revenue Loading Factor	VCOST	0.0027073
24	Gross Revenue Annual Cost	(L20+L22) x L23	\$0.007830
25	Umbilical Cost per BH MOU	WP Part C-3, Sec 4, Pg 3, L12	\$ 0.026238
26	Total Cost per BH MOU	L20+L22+L24+L25	\$2.93
27	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
28	Cost per AHD MOU	L26*L27	\$0.000968
29	Non Conversation Time Adjustment	WP Part C-3, Sec 6, Pg 1, L16	1.113
30	Total Switching Cost per MOU	L28*L29	\$0.001078
31	SS7 cost per MOU	Part E	\$0.000052
32	Total Cost per Mou	L30 + L31	\$0.001130
33	Originating to Average Ratio	N/A	N/A
34	Originating MOU	N/A	N/A
35	Terminating to Average Ratio	Service Costs	0.930000
36	Terminating MOU	L32*L35	\$0.001050

Tandem Switch Usage For Reciprocal Compensation

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	TANDEM C
1	TS Direct Material Investment	WP Part C-3, Sec 5, Pg 1, L10	\$13,320,623.00
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-3, Sec 5, Pg 2, L3	18,818,027
3	Material Investment per BH MOU	L1/L2	\$0.70787
4	Digital Switch EFI Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$0.285057
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.058185
8	Total In-Place Investment	L3+L5+L7	\$1.051107
9	Digital Switch ACF	VCOST	0.318263529
10	Annual Digital Switch Cost	L8 x L9	\$0.334529
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.003153
13	Land ACF	VCOST	0.281083327
14	Annual Land Cost	L12 x L13	\$0.000886
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.078728
17	Building ACF	VCOST	0.410755193
18	Annual Building Cost	L16 x L17	\$0.03234
19	RTU per MOU	N/A	\$0.000000
20	Total TELRIC Annual Cost	(L10+L14+L18+L19)	\$0.367753
21	Common Overhead Factor	VCOST	0.0803
22	Common Overhead Annual Cost	L20 x L21	\$0.029531
23	Gross Revenue Loading Factor	VCOST	0.0027073
24	Gross Revenue Annual Cost	(L20+L22) x L23	\$0.001076
25	Total Switching Cost per BH MOU	L20+L22+L24	\$0.40
26	SS7 cost per MOU	Part E	\$0.000052
27	Total Tandem Cost per BH MOU	L25 + L26	\$0.40
28	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
29	Cost per AHD MOU	L26*L27	\$0.000132

Common Trunk For Reciprocal Compensation
VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
End Office			
1	Common End Office Trunk	WP: Part C-3, Sec 2, Pg 1, L6	\$0.000705
Tandem			
2	Common Tandem Trunk	WP: Part C-3, Sec 2, Pg 2, L6	\$0.000572

Common End Office Trunk For Reciprocal Compensation

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	VALUE C
1	Monthly Cost - End Office Trunk (DS-0)	(Exh Part C-1 Sec 5 Page 1) / 24	\$ 4.38
2	BH MOU per Trunk	WP Part 3-2, Sec 4, Pg 2, L18	24.66
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
4	Annual MOU	L2/L3	74,575.60
5	Monthly MOU	L4/12	6,214.63
6	Cost per MOU	L1/L5	\$ 0.000705

Common Tandem Trunk For Reciprocal Compensation

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	VALUE C
1	Monthly Cost - Tandem Trunk (DS-0)	(Exh Part C-1, Sec 6, Page 1, L4) / 24	\$4.10
2	Tandem BH MOU per Trunk	WP Part C-3, Sec 5, Pg 2, L3D	28.48
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
4	Annual MOU	L2/L3	86,131
5	Monthly MOU	L4/12	7,177.57
6	Cost per MOU	L1/L5	\$ 0.000572

SCIS End Office Direct Material Investment

VERIZON - MASSACHUSETTS

Line #	SCIS Non ISDN:	A ESS	B DMS	C Meld
1.	Getting Started	0	0	0
2.	SM 2000 EPHC	36024789		36024789
3.	Line Term. A+C+D	159500088	59616910	219116998
4.	LINE CCS	50951958	23646433	74598391
5.	Term Call	0	0	0
6.	Trunk CCS	39468836	24045548	63514384
7.	SS7 Link	736089	1693509	2429598
8.	UMBILICAL TRUNK CCS		1,734,901	1734901
9.	-----	\$ 286,681,760	\$ 110,737,301	\$ 397,419,061
	(Sum L1 to L8)			
SCIS ISDN Investments:				
10.	SM 2000 Real Time EPHC	6670743		6670743
11.	BRI - U Card	12702850	2980920	15683770
12.	ISDN LINE CCS	4019406	521621	4541027
13.	PRI D CHANNEL	1638908	440496	2079404
14.	PRI B CHANNEL	5799056	5079210	10878266
15.	D CH. ACC. PPS	4425144	715082	5140226
16.	PPB CH. ACCESS PPS		486415	486415
17.	INTER-SWITCH PPS	753807	163329	917136
18.	XAT PPS	21253		21253
19.	ADD'L BRI PPB CH.		794180	794180
20.	ADD'L D CH. TERM.		423746	423746
21.	ADD'L XAT Channel	271705		271705
22.	-----	\$ 36,302,872	\$ 11,604,999	\$ 47,907,871
	(Sum L10 to L21)			
23.	Total Local Switch - SCIS (L9 + L22)	\$ 322,984,632	\$ 122,342,300	\$ 445,326,932
24.	Total NTS (L3 + L6 + L11 + L13 + L14)	\$ 219,109,738	\$ 92,163,084	\$ 311,272,822
25.	Total TS (Usage) (L23 - L24)	\$ 103,874,894	\$ 30,179,216	\$ 134,054,110

End Office Minutes of Use

VERIZON - MASSACHUSETTS

	A	B	C	
Line	Number of Lines	Zone 1A CCS per Line	TOTAL CCS	
A. End Office Lines:				
5ESS CCS:				
1	POTS Lines	2562505	3.72	9532519
2	ISDN BRI Lines	52568	8.98	472061
3	POTS Lines on ISDN Interface			0
4	5ESS CCS TOTAL			10,004,579
5	5ESS MOU TOTAL (= CCS * 100 / 60)			16,674,299
DMS-100 CCS:				
Number of Lines				
CCS per Line				
TOTAL CCS				
6	POTS Lines	1922925	3.79	7287886
7	ISDN BRI Lines	13601	9.31	126625
8	POTS Lines on ISDN Interface			0
9	DMS-100 CCS TOTAL			7,414,511
10	DMS-100 MOU TOTAL (= CCS * 100 / 60)			12,357,518
Total				
11	5ESS & DMS-100 CCS			17,419,090
12	5ESS & DMS-100 MOU at Midpoint of Planning Cycle (= CCS * 100 / 60)*0.896)			26,012,508
13	Annual to Busy Hour Ratio		0.000331	
14	Annual MOUs	(=BH MOU/ABHR)		78,664,331,970
B. End Office Trunks:				
15	5ESS	482733	15.88	7,665,800
16	DMS-100	290112	14.55	4,221,130
17	Digital Trunk CCS /Trunk		15.38	11,886,930
18	Digital Trunk MOU at Midpoint of Planning Cycle		24.66	19,058,711

Notes: 1. MOU = Minutes of Use
2. CCS = Hundred Call Seconds

Umbilical Costs

VERIZON - MASSACHUSETTS

	A	B	C	D
		Monthly	Avg. Miles	-----
L1	-----			196
L2	-----	\$ 46.42		\$9,098
L3	-----	\$ 1.41	9.94	\$2,749
L4	-----			\$11,847
		Monthly	Avg. Miles	-----
L5	-----			745
L6	-----	\$ 46.42		\$34,581
L7	-----	\$ 1.41	9.94	\$10,448
L8	-----			\$45,029
L9	-----		L4D + L8D	\$56,876
L10	-----		L9 * 12	\$682,513
L11	-----	WP Part 2,Sec 4,L12C		26,012,508
L12	-----		L10 / L11	\$0.026238

Tandem Switch Direct Investment

VERIZON - MASSACHUSETTS

Line #	ACCESS TANDEMS			TOTAL
	5 ESS	DMS-200		
SCIS RESULTS:				
(Lines 1 to 8)				
1.	Getting Started	0	0	0
2.	SM 2000 EPHC	13,096,516		
3.	A+C			
4.	LINE CCS			
5.	Term Call			
6.	Tdm Trunk CCS	46,763,182	8,074,635	54,837,817
7.	SS7 Link	72,572	151,535	224,107
8.	-----	59,932,270	8,226,170	68,158,440
(Sum L1 to L7)				
				0
9.	Total NTS (L3 + L6)	\$ 46,763,182	\$ 8,074,635	54,837,817
10.	Total TS (Usage) (L8 - L9)	\$ 13,169,088	\$ 151,535	13,320,623

Tandem Minutes of Use

VERIZON - MASSACHUSETTS

Line	A	B	C	D	E	F
		No. Digital Trunks	BH CCS / Trunk	BH MOU / Trunk (C * 100/60)	Total BH CCS (B * C)	Planning point (B * D * 0.896)
	Tandems					
1	5ESS	547,710	17.74	29.57	9,716,375	15,578,589
2	DMS	113,000	17.88	29.80	2,020,440	3,239,439
3	TOTAL	660,710		28.48		18,818,027

Non-Conversation Time Adjustments

VERIZON - MASSACHUSETTS

LINE#	ITEM A	SOURCE B	5ESS C	DMS D
1	Average BH CCS per Main Station - Analog Lines	SCIS Input Statistics	3.720	3.790
2	Average BH Calls per Main Station - Analog Lines	SCIS Input Statistics	2.360	2.180
3	Average Holding Time (in sec) per BH Call - Analog Lines	L1/L2*100	157.627	173.853
4	Average BH CCS per Main Station - Digital Lines	SCIS Input Statistics	3.720	3.790
5	Average BH Calls per Main Station - Digital Lines	SCIS Input Statistics	2.360	2.180
6	Average Holding Time (in sec) per BH Call - Digital Lines	L4/L5	157.627	173.853
7	Analog Lines	SCIS Input Statistics	1921950	1442194
8	Digital Lines	SCIS Input Statistics	640555	480731
9	Percent Analog Lines	L7/ (L7C-D+L8C-D)	42.85%	32.15%
10	Percent Digital Lines	L8/ (L7C-D +L8C-D)	14.28%	10.72%
11	Weighted Average Holding Time by Technology	L3*L9 + L6*L10	90.052	74.532
12	Weighted Average Holding Time	L11C+L11D+L11E	164.583	
13	NCT per Attempt	Call Setup Analysis	13.36	
14	Completion Ratio	Call Setup Analysis	0.715	
15	Total NCT per Call	L13 / L14	18.679	
16	NCT Adjustment Factor	(L12 + L15)/L12	1.113	

Busy Hour to Annual Conversion Factor

VERIZON - MASSACHUSETTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Number of days in a year	calendar	365
2	Number of Saturdays and Sundays	2*52weeks	104
3	Number of Holidays	calendar	10
4	Number of Average Business Days (ABD)	L1-L2-L3	251
5	Busy Hour (BH) to All Hours of Day (AHD)	Service Costs	0.083
6	Busy Hour to Annual Conversion Factor	L5/L4	0.000331

Part C-1 Section Index

Section	<i>Ports</i>
1	Analog Line Port
2	Line Port
3	Analog Coin Port
4	Coin Port
5	End Office Trunk Port
5.1	Integrated Digital Loop Carrier Port
5.2	DS-1 Line Port
6	Tandem Trunk Port
6.1	TOPS Trunk Port
7	ISDN BRI Port
8	ISDN PRI Port

Centrex Features

9	Centrex Intercom (per Centrex Line)
10	Centrex Announcement (per Centrex Line)
11	3-Way Conference (per Centrex Line)
12	Automatic Callback (per Centrex Line)
13	Distinctive Ringing (per Centrex Line)
14	Loudspeaker Paging (per Trunk)
15	Meet-Me Conference (per Group)
16	Selective Call Acceptance (per Centrex Line)
17	Selective Call Forwarding (per Centrex Line)
18	Selective Call Rejection (per Centrex Line)
19	Six Way Conference (per Centrex Line)
20	Station Message Detail Record to Premise (per Group)

Part C-1 Section Index

Section *Individual Line Features*

- 21 Three-way Calling (per Line)
- 22 Remote Call Forwarding (per Line)
- 23 Calling Number Delivery (per Line)
- 24 Calling Number and Name Delivery (per Line)
- 25 Call Waiting Display Number (per Line)
- 26 Call Waiting Display Name (per Line)
- 27 Anonymous Call Rejection (per Line)
- 28 Automatic Recall (Call Return) (per Line)

ISDN Features

- 29 Circuit Switched Voice Intercom (ISDN) (per Terminal)
- 30 Circuit Switched Voice (ISDN) - Announcement (per Terminal)
- 31 Six-way Conference Calling (ISDN) (per Terminal)
- 32 Three-way Calling (ISDN) (per Terminal)
- 33 Calling Number Delivery (ISDN) (per Directory Number)
- 34 Calling Name Delivery (ISDN) (per PRI)

Misc. Features

- 35 Not Used
- 36 Not Used
- 37 Simplified Message Desk Interface (SMDI)

Supporting Workpapers

- 38 Utilization Adjustment Factors
- 39 Switch Material Investments
- 40 Coin Port Differential

RECALCULATED VZ-MA STUDY WITH DEFRAGMENTED DATABASE;
CORRECTED BSSS IDLC PORT INVESTMENT; AND VZ-MA CORRECTIONS TO TRUNK MOD

Section		Corrected VZ-as File		Difference
	Ports			
1	Analog Line Port	\$ 2.53	\$ 2.53	0%
2	Weighted Line Port	\$ 2.57	\$ 2.57	0%
3	Analog Coin Port	\$ 2.92	\$ 2.92	0%
4	Weighted Coin Port	\$ 2.88	\$ 2.88	0%
5	End Office Trunk Port	\$ 105.17	\$ 105.12	0%
5.1	Integrated Digital Loop Carrier Port	\$ 138.10	\$ 247.10	-44%
5.2	DS-1 Line Port	\$ 34.53	\$ 61.77	-44%
6	Tandem Trunk Port	\$ 98.48	\$ 98.48	0%
6.1	TOPS Trunk Port	\$ 84.79	\$ 84.79	0%
7	ISDN BRI Port	\$ 11.71	\$ 11.71	0%
8	ISDN PRI Port	\$ 101.65	\$ 101.65	0%
	Centrex Features			
9	CTX Intercom	\$ 0.53	\$ 0.58	-8%
10	CTX Announcement	\$ 0.48	\$ 0.48	0%
11	3-Way Conference (CTX)	\$ 0.22	\$ 0.22	0%
12	Automatic Callback (CTX)	\$ 0.19	\$ 0.19	0%
13	Distinctive Ringing (CTX)	\$ 0.02	\$ 0.02	0%
14	Loudspeaker Paging (CTX)	\$ 6.55	\$ 6.55	0%
15	Meet-Me Conference (CTX)	\$ 0.13	\$ 0.13	0%
16	Selective Call Acceptance (CTX)	\$ 0.03	\$ 0.03	0%
17	Selective Call Forwarding (CTX)	\$ 0.01	\$ 0.01	0%
18	Selective Call Rejection (CTX)	\$ 0.17	\$ 0.17	0%
19	Six Way Conference (CTX)	\$ 0.86	\$ 0.86	0%
20	Station Message Detail Record to Premise (CTX)	\$ 12.77	\$ 12.77	0%
	Individual Line Features			
21	Three-way Calling	\$ 0.22	\$ 0.22	0%
22	Remote Call Forwarding	\$ 1.41	\$ 1.41	0%
23	Calling Number Delivery	\$ 0.19	\$ 0.19	0%
24	Calling Number and Name Delivery	\$ 0.24	\$ 0.24	0%
25	Call Waiting Display Number	\$ 0.19	\$ 0.19	0%
26	Call Waiting Display Name	\$ 0.19	\$ 0.19	0%
27	Anonymous Call Rejection	\$ 0.03	\$ 0.03	0%
28	Automatic Recall (Call Return)	\$ 0.20	\$ 0.20	0%
	ISDN Features			
29	Circuit Switched Voice (ISDN)	\$ 12.75	\$ 13.82	-8%
30	ISDN Announcement	\$ 6.07	\$ 6.07	0%
31	Six-way Conference Calling (ISDN)	\$ 0.52	\$ 0.52	0%
32	Three-way Calling (ISDN)	\$ 0.22	\$ 0.22	0%
33	Calling Number Delivery (ISDN)	\$ -	\$ -	0%
34	Calling Name Delivery (ISDN)	\$ 1.11	\$ 1.11	0%
	Misc.			
35	Not Used			
36	Not Used			
37	Simplified Message Desk Interface (SMDI)	\$ 193.99	\$ 193.99	0%

Analog Line Port
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 1, Pg 1, L19	\$2.3369
2	Common Overhead	WP: Part C-1, Sec 1, Pg 1, L21	\$0.1877
3	Gross Revenue Loading	WP: Part C-1, Sec 1, Pg 1, L23	\$0.0068
4	Total Monthly Cost	L1 + L2 + L3	\$2.5314

Analog Line Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 1, L 1.3	\$52.8389
2	Analog Line Utilization Adjustment	WP Part C-1, Sect 38, Pg 2, L3	0.978883
3	Adjusted Material Investment	L1/L2	\$53.9788
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$21.7373
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$4.4370
8	Total In-Place Investment	L3+L5+L7	\$80.1530
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$25.5098
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.2405
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0676
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$6.0035
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$2.4660
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$2.3369
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.1877
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0068
24	Total Monthly Cost	L19+L21+L23	\$2.5314

Line Port
VERIZON - MASSACHUSETTS
SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 2, Pg 1, L19	\$2.3680
2	Common Overhead	WP: Part C-1, Sec 2, Pg 1, L21	\$0.1902
3	Gross Revenue Loading	WP: Part C-1, Sec 2, Pg 1, L23	\$0.0069
4	Total Monthly Cost	L1 + L2 + L3	\$2.5651

Line Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 1, L 2.3	\$51.9197
2	Line Utilization Adjustment	WP Part C-1, Sect 38, Pg 3, L3	0.949223
3	Adjusted Material Investment	L1/L2	\$54.6970
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$22.0265
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$4.4960
8	Total In-Place Investment	L3+L5+L7	\$81.2195
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$25.8492
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.2437
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0685
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$6.0833
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$2.4988
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$2.3680
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.1902
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0069
24	Total Monthly Cost	L19+L21+L23	\$2.5651

Analog Coin Port
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 3, Pg 1, L19	\$2.6964
2	Common Overhead	WP: Part C-1, Sec 3, Pg 1, L21	\$0.2165
3	Gross Revenue Loading	WP: Part C-1, Sec 3, Pg 1, L23	\$0.0079
4	Total Monthly Cost	L1 + L2 + L3	\$2.9208

Analog Coin Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 1, L 3.7	60.9667
2	Analog Line Utilization Adjustment	WP Part C-1, Sect 38, Pg 2, L3	0.978883
3	Adjusted Material Investment	L1/L2	\$62.2819
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$25.0809
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$5.1195
8	Total In-Place Investment	L3+L5+L7	\$92.4823
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$29.4337
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.2774
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0780
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$6.9269
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$2.8453
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$2.6964
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.2165
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0079
24	Total Monthly Cost	L19+L21+L23	\$2.9208

Coin Port
VERIZON - MASSACHUSETTS
SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 4, Pg 1, L19	\$2.6573
2	Common Overhead	WP: Part C-1, Sec 4, Pg 1, L21	\$0.2134
3	Gross Revenue Loading	WP: Part C-1, Sec 4, Pg 1, L23	\$0.0078
4	Total Monthly Cost	L1 + L2 + L3	\$2.8785

Coin Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 1, L 4.7	\$58.2623
2	Line Utilization Adjustment	WP Part C-1, Sect 38, Pg 3, L3	0.949223
3	Adjusted Material Investment	L1/L2	\$61.3789
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$24.7173
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$5.0452
8	Total In-Place Investment	L3+L5+L7	\$91.1415
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$29.0070
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.2734
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0769
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$6.8265
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$2.8040
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$2.6573
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.2134
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0078
24	Total Monthly Cost	L19+L21+L23	\$2.8785

End Office Trunk Port
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 5, Pg 1, L19	\$97.0940
2	Common Overhead	WP: Part C-1, Sec 5, Pg 1, L21	\$7.7967
3	Gross Revenue Loading	WP: Part C-1, Sec 5, Pg 1, L23	\$0.2840
4	Total Monthly Cost	L1 + L2 + L3	\$105.1747

End Office Trunk Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 1, L 5.4	\$2,114.3289
2	Digital Trunk Utilization Adjustment	WP Part C-1, Sect 38, Pg 4, L5	0.942768
3	Adjusted Material Investment	L1/L2	\$2,242.6809
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$903.1276
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$184.3444
8	Total In-Place Investment	L3+L5+L7	\$3,330.1529
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1,059.8662
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$9.9905
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$2.8082
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$249.4285
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$102.4540
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$97.0940
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$7.7967
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.2840
24	Total Monthly Cost	L19+L21+L23	\$105.1747

Integrated Digital Loop Carrier Port
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 5A, Pg 1, L19	\$127.4919
2	Common Overhead	WP: Part C-1, Sec 5A, Pg 1, L21	\$10.2376
3	Gross Revenue Loading	WP: Part C-1, Sec 5A, Pg 1, L23	\$0.3729
4	Total Monthly Cost	L1 + L2 + L3	\$138.1024

Integrated Digital Loop Carrier Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 4, L 35.5	\$2,776.2760
2	Digital Trunk Utilization Adjustment	WP Part C-1, Sect 38, Pg 4, L5	0.942768
3	Adjusted Material Investment	L1/L2	\$2,944.8120
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1,185.8758
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$242.0583
8	Total In-Place Investment	L3+L5+L7	\$4,372.7461
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1,391.6856
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$13.1182
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$3.6873
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$327.5187
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$134.5300
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$127.4919
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$10.2376
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.3729
24	Total Monthly Cost	L19+L21+L23	\$138.1024

DS-1 Line Port
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 5.2, Pg 1, L19	\$31.8730
2	Common Overhead	WP: Part C-1, Sec 5.2, Pg 1, L21	\$2.5594
3	Gross Revenue Loading	WP: Part C-1, Sec 5.2, Pg 1, L23	\$0.0932
4	Total Monthly Cost	L1 + L2 + L3	\$34.5256

DS-1 Line Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 4, L 35.4	\$694.0690
2	Digital Trunk Utilization Adjustment	WP Part C-1, Sect 38, Pg 4, L5	0.942768
3	Adjusted Material Investment	L1/L2	\$736.2030
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$296.4690
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$60.5146
8	Total In-Place Investment	L3+L5+L7	\$1,093.1865
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$347.9214
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$3.2796
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.9218
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$81.8797
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$33.6325
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$31.8730
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$2.5594
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0932
24	Total Monthly Cost	L19+L21+L23	\$34.5256

Tandem Trunk Port
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 6, Pg 1, L19	\$90.9179
2	Common Overhead	WP: Part C-1, Sec 6, Pg 1, L21	\$7.3007
3	Gross Revenue Loading	WP: Part C-1, Sec 6, Pg 1, L23	\$0.2659
4	Total Monthly Cost	L1 + L2 + L3	\$98.4845

Tandem Trunk Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 5, L 1.4	\$1,991.9597
2	Tandem Trunk Utilization Adjustment	WP Part C-1, Sect 38, Pg 4, L6	0.948541
3	Adjusted Material Investment	L1/L2	\$2,100.0243
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$845.6798
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$172.6183
8	Total In-Place Investment	L3+L5+L7	\$3,118.3224
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$992.4483
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$9.3550
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$2.6295
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$233.5623
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$95.9369
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$90.9179
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$7.3007
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.2659
24	Total Monthly Cost	L19+L21+L23	\$98.4845

TOPS Trunk Port
VERIZON - MASSACHUSETTS
SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 6.1, Pg 1, L19	\$78.2753
2	Common Overhead	WP: Part C-1, Sec 6.1, Pg 1, L21	\$6.2855
3	Gross Revenue Loading	WP: Part C-1, Sec 6.1, Pg 1, L23	\$0.2289
4	Total Monthly Cost	L1 + L2 + L3	\$84.7897

TOPS Trunk Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 5, L 2.4	\$1,714.9668
2	DMS Tandem Trk Utilization Adjust.	WP Part C-1, Sect 38, Pg 4, L4	0.948541
3	Adjusted Material Investment	L1/L2	\$1,808.0045
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$728.0834
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$148.6147
8	Total In-Place Investment	L3+L5+L7	\$2,684.7026
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$854.4429
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$8.0541
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$2.2639
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$201.0842
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$82.5964
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$78.2753
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$6.2855
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.2289
24	Total Monthly Cost	L19+L21+L23	\$84.7897

ISDN BRI Port
VERIZON - MASSACHUSETTS
SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 7, Pg 1, L19	\$10.8101
2	Common Overhead	WP: Part C-1, Sec 7, Pg 1, L21	\$0.8680
3	Gross Revenue Loading	WP: Part C-1, Sec 7, Pg 1, L23	\$0.0316
4	Total Monthly Cost	L1 + L2 + L3	\$11.7097

ISDN BRI Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 1, L 6.3	\$237.0129
2	Line Utilization Adjustment	WP Part C-1, Sect 38, Pg 3, L3	0.949223
3	Adjusted Material Investment	L1/L2	\$249.6914
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$100.5507
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$20.5242
8	Total In-Place Investment	L3+L5+L7	\$370.7662
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$118.0014
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$1.1123
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.3126
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$27.7704
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$11.4068
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$10.8101
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.8680
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0316
24	Total Monthly Cost	L19+L21+L23	\$11.7097

ISDN PRI Port
VERIZON - MASSACHUSETTS
SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 8, Pg 1, L19	\$93.8402
2	Common Overhead	WP: Part C-1, Sec 8, Pg 1, L21	\$7.5354
3	Gross Revenue Loading	WP: Part C-1, Sec 8, Pg 1, L23	\$0.2745
4	Total Monthly Cost	L1 + L2 + L3	\$101.6501

ISDN PRI Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 1, L7.7F	\$2,043.4739
2	Digital Trunk Utilization Adjustment	WP Part C-1, Sect 38, Pg 4, L5	0.942768
3	Adjusted Material Investment	L1/L2	\$2,167.5246
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$872.8622
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$178.1667
8	Total In-Place Investment	L3+L5+L7	\$3,218.5535
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1,024.3482
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$9.6557
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$2.7140
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$241.0697
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$99.0206
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$93.8402
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$7.5354
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.2745
24	Total Monthly Cost	L19+L21+L23	\$101.6501

Centrex Intercom (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	Total Monthly Cost	WP: Part C-1, Sec 9, Pg 1, L9	\$0.5314

Centrex Intercom (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	BH Intragroup CCS per Line	Product Management	0.5
2	BH Intragroup MOU per Line	L1 x 100 / 60	0.8
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 8 Pg 1, L6	0.000331
4	Annual Intragroup MOU	L2 / L3	2,520.08
5	Monthly Intragroup MOU	L4 / 12	210.01
6	UNE End Office Orig. Usage Rate	Exh Part C-2, Sect 1, Pg 1, L1	0.002696
7	UNE End Office Term. Usage Rate	Exh Part C-2, Sect 1, Pg 1, L2	0.002365
8	UNE End Office Average Usage Rate	(L6 + L7) / 2	\$0.002531
9	Monthly Intercom Costs per Line	L5 x L8	\$0.531448

Centrex Announcement (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 10, Pg 1, L19	\$0.4425
2	Common Overhead	WP: Part C-1, Sec 10, Pg 1, L21	\$0.0355
3	Gross Revenue Loading	WP: Part C-1, Sec 10, Pg 1, L23	\$0.0013
4	Total Monthly Cost	L1 + L2 + L3	\$0.4794

Centrex Announcement (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment Per Group	WP: Part C-1, Sec 39, Pg 2, L 10	\$255.5429
2	Lines per Group	Product Management	25
3	Material Investment Per Line	L1/L2	\$10.2217
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$4.1163
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.8402
8	Total In-Place Investment	L3+L5+L7	\$15.1782
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$4.8307
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0455
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0128
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$1.1368
17	Building ACF	VCOST	0.410755193
18	Annual Building Cost	L16 x L17	\$0.4670
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.4425
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0355
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0013
24	Total Monthly Cost	L19+L21+L23	\$0.4794

3-Way Conference (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 11, Pg 1, L19	\$0.2063
2	Common Overhead	WP: Part C-1, Sec 11, Pg 1, L21	\$0.0166
3	Gross Revenue Loading	WP: Part C-1, Sec 11, Pg 1, L23	\$0.0006
4	Total Monthly Cost	L1 + L2 + L3	\$0.2234

3-Way Conference (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 11	\$4.7641
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$4.7641
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.9185
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.3916
8	Total In-Place Investment	L3+L5+L7	\$7.0743
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$2.2515
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0212
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0060
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.5299
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.2176
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.2063
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0166
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0006
24	Total Monthly Cost	L19+L21+L23	\$0.2234

Automatic Callback (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 12, Pg 1, L19	\$0.1776
2	Common Overhead	WP: Part C-1, Sec 12, Pg 1, L21	\$0.0143
3	Gross Revenue Loading	WP: Part C-1, Sec 12, Pg 1, L23	\$0.0005
4	Total Monthly Cost	L1 + L2 + L3	\$0.1924

Automatic Callback (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 12	\$4.1032
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$4.1032
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.6524
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.3373
8	Total In-Place Investment	L3+L5+L7	\$6.0928
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.9391
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0183
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0051
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.4564
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1874
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1776
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0143
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0005
24	Total Monthly Cost	L19+L21+L23	\$0.1924

Distinctive Ringing (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 13, Pg 1, L19	\$0.0189
2	Common Overhead	WP: Part C-1, Sec 13, Pg 1, L21	\$0.0015
3	Gross Revenue Loading	WP: Part C-1, Sec 13, Pg 1, L23	\$0.0001
4	Total Monthly Cost	L1 + L2 + L3	\$0.0204

Distinctive Ringing (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 13	\$0.4358
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$0.4358
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$0.1755
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.0358
8	Total In-Place Investment	L3+L5+L7	\$0.6472
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$0.2060
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0019
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0005
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.0485
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.0199
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.0189
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0015
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0001
24	Total Monthly Cost	L19+L21+L23	\$0.0204

Loudspeaker Paging (per Trunk)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 14, Pg 1, L19	\$6.0468
2	Common Overhead	WP: Part C-1, Sec 14, Pg 1, L21	\$0.4856
3	Gross Revenue Loading	WP: Part C-1, Sec 14, Pg 1, L23	\$0.0177
4	Total Monthly Cost	L1 + L2 + L3	\$6.5500

Loudspeaker Paging (per Trunk)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 14	\$139.6687
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$139.6687
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$56.2446
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$11.4805
8	Total In-Place Investment	L3+L5+L7	\$207.3938
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$66.0059
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.6222
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.1749
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$15.5338
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$6.3806
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$6.0468
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.4856
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0177
24	Total Monthly Cost	L19+L21+L23	\$6.5500

Meet-Me Conference (per Group)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 15, Pg 1, L19	\$0.1183
2	Common Overhead	WP: Part C-1, Sec 15, Pg 1, L21	\$0.0095
3	Gross Revenue Loading	WP: Part C-1, Sec 15, Pg 1, L23	\$0.0003
4	Total Monthly Cost	L1 + L2 + L3	\$0.1281

Meet-Me Conference (per Group)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 15	\$2.7317
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$2.7317
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.1000
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.2245
8	Total In-Place Investment	L3+L5+L7	\$4.0563
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.2910
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0122
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0034
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.3038
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1248
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1183
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0095
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0003
24	Total Monthly Cost	L19+L21+L23	\$0.1281

Selective Call Acceptance (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 16, Pg 1, L19	\$0.0227
2	Common Overhead	WP: Part C-1, Sec 16, Pg 1, L21	\$0.0018
3	Gross Revenue Loading	WP: Part C-1, Sec 16, Pg 1, L23	\$0.0001
4	LIDB	WP: Part C-1, Sec 16, Pg 1, L24	\$0.0007
5	Total Monthly Cost	L1 + L2 + L3	\$0.0252

Selective Call Acceptance (per Centrex Line)

BELL ATLANTIC - NEW YORK

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 16	\$0.5238
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$0.5238
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$0.2109
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.0431
8	Total In-Place Investment	L3+L5+L7	\$0.7777
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$0.2475
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0023
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0007
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.0583
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.0239
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.0227
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0018
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0001
24	Total Monthly LIDB Cost	WP Part C-1, Sect 16, Pg 2, L4	\$0.0007
25	Total Monthly Cost	L19+L21+L23+L24	\$0.0252

Selective Call Acceptance (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Average # of LIDB Queries per Month	Product Management	2
2	LIDB Cost per Query	Part E	0.000104
3	SS7 Transport per LIDB Message	Part E	0.000223
4	Total Monthly LIDB Cost	(L2 + L3) * L1	\$0.0007

Selective Call Forwarding (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 17, Pg 1, L19	\$0.0090
2	Common Overhead	WP: Part C-1, Sec 17, Pg 1, L21	\$0.0007
3	Gross Revenue Loading	WP: Part C-1, Sec 17, Pg 1, L23	\$0.0000
4	LIDB	WP: Part C-1, Sec 17, Pg 1, L24	\$0.0007
5	Total Monthly Cost	L1 + L2 + L3	\$0.0104

Selective Call Forwarding (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 17	\$0.2083
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$0.2083
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$0.0839
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.0171
8	Total In-Place Investment	L3+L5+L7	\$0.3093
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$0.0984
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0009
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0003
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.0232
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.0095
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.0090
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0007
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0000
24	Total Monthly LIDB Cost	WP Part C-1, Sect 17, Pg 2, L4	\$0.0007
25	Total Monthly Cost	L19+L21+L23+L24	\$0.0104

Selective Call Forwarding (per Centrex Line)

BELL ATLANTIC - NEW YORK

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Average # of LIDB Queries per Month	Product Management	2
2	LIDB Cost per Query	Part E	0.000104
3	SS7 Transport per LIDB Message	Part E	0.000223
4	Total Monthly LIDB Cost	(L2 + L3) * L1	\$0.0007

Selective Call Rejection (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 18, Pg 1, L19	\$0.1602
2	Common Overhead	WP: Part C-1, Sec 18, Pg 1, L21	\$0.0129
3	Gross Revenue Loading	WP: Part C-1, Sec 18, Pg 1, L23	\$0.0005
4	LIDB	WP: Part C-1, Sec 18, Pg 1, L24	\$0.0007
5	Total Monthly Cost	L1 + L2 + L3	\$0.1742

Selective Call Rejection (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 18	\$3.7007
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$3.7007
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.4903
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.3042
8	Total In-Place Investment	L3+L5+L7	\$5.4951
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.7489
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0165
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0046
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.4116
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1691
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1602
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0129
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0005
24	Total Monthly LIDB Cost	WP Part C-1, Sect 18, Pg 2, L4	\$0.0007
25	Total Monthly Cost	L19+L21+L23+L24	\$0.1742

Selective Call Rejection (per Centrex Line)

BELL ATLANTIC - NEW YORK

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Average # of LIDB Queries per Month	Product Management	2
2	LIDB Cost per Query	Part E	0.000104
3	SS7 Transport per LIDB Message	Part E	0.000223
4	Total Monthly LIDB Cost	(L2 + L3) * L1	\$0.0007

Six Way Conference (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 19, Pg 1, L19	\$0.7932
2	Common Overhead	WP: Part C-1, Sec 19, Pg 1, L21	\$0.0637
3	Gross Revenue Loading	WP: Part C-1, Sec 19, Pg 1, L23	\$0.0023
4	Total Monthly Cost	L1 + L2 + L3	\$0.8592

Six Way Conference (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 19	\$18.3205
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$18.3205
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$7.3777
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$1.5059
8	Total In-Place Investment	L3+L5+L7	\$27.2040
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$8.6581
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0816
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0229
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$2.0376
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.8369
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.7932
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0637
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0023
24	Total Monthly Cost	L19+L21+L23	\$0.8592

Station Message Detail Record to Premise (per Group)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 20, Pg 1, L19	\$11.7913
2	Common Overhead	WP: Part C-1, Sec 20, Pg 1, L21	\$0.9468
3	Gross Revenue Loading	WP: Part C-1, Sec 20, Pg 1, L23	\$0.0345
4	Total Monthly Cost	L1 + L2 + L3	\$12.7727

Station Message Detail Record to Premise (per Group)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 20	\$272.3567
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$272.3567
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$109.6780
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$22.3872
8	Total In-Place Investment	L3+L5+L7	\$404.4220
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$128.7128
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$1.2133
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.3410
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$30.2912
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$12.4423
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$11.7913
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.9468
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0345
24	Total Monthly Cost	L19+L21+L23	\$12.7727

Three-way Calling (per Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 21, Pg 1, L19	\$0.2063
2	Common Overhead	WP: Part C-1, Sec 21, Pg 1, L21	\$0.0166
3	Gross Revenue Loading	WP: Part C-1, Sec 21, Pg 1, L23	\$0.0006
4	Total Monthly Cost	L1 + L2 + L3	\$0.2234

Three-way Calling (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 21	\$4.7641
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$4.7641
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.9185
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.3916
8	Total In-Place Investment	L3+L5+L7	\$7.0743
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$2.2515
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0212
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0060
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.5299
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.2176
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.2063
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0166
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0006
24	Total Monthly Cost	L19+L21+L23	\$0.2234

Remote Call Forwarding (per Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 22, Pg 1, L19	\$1.3040
2	Common Overhead	WP: Part C-1, Sec 22, Pg 1, L21	\$0.1047
3	Gross Revenue Loading	WP: Part C-1, Sec 22, Pg 1, L23	\$0.0038
4	Total Monthly Cost	L1 + L2 + L3	\$1.4125

Remote Call Forwarding (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 22	\$30.1203
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$30.1203
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$12.1294
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$2.4758
8	Total In-Place Investment	L3+L5+L7	\$44.7255
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$14.2345
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.1342
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0377
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$3.3499
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$1.3760
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$1.3040
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.1047
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0038
24	Total Monthly Cost	L19+L21+L23	\$1.4125

Calling Number Delivery (per Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 23, Pg 1, L19	\$0.1775
2	Common Overhead	WP: Part C-1, Sec 23, Pg 1, L21	\$0.0142
3	Gross Revenue Loading	WP: Part C-1, Sec 23, Pg 1, L23	\$0.0005
4	Total Monthly Cost	L1 + L2 + L3	\$0.1922

Calling Number Delivery (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 23	\$4.0989
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$4.0989
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.6506
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.3369
8	Total In-Place Investment	L3+L5+L7	\$6.0864
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.9371
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0183
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0051
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.4559
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1873
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1775
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0142
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0005
24	Total Monthly Cost	L19+L21+L23	\$0.1922

Calling Number and Name Delivery (per Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 24, Pg 1, L19	\$0.1775
2	Common Overhead	WP: Part C-1, Sec 24, Pg 1, L21	\$0.0142
3	Gross Revenue Loading	WP: Part C-1, Sec 24, Pg 1, L23	\$0.0005
4	LIDB	WP: Part C-1, Sec 24, Pg 1, L24	\$0.0471
5	Total Monthly Cost	L1 + L2 + L3	\$0.2393

Calling Number and Name Delivery (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 24	\$4.0989
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$4.0989
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.6506
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.3369
8	Total In-Place Investment	L3+L5+L7	\$6.0864
9	Digital Switch ACF	VCOST	0.31826
10	Annual Digital Switch Cost	L8 x L9	\$1.9371
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0183
13	Land ACF	VCOST	0.28108
14	Annual Land Cost	L12 x L13	\$0.0051
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.4559
17	Building ACF	VCOST	0.41076
18	Annual Building Cost	L16 x L17	\$0.1873
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1775
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0142
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.00271
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0005
24	Total Monthly LIDB Cost	WP Part C-1, Sect 24, Pg 4, L8	\$0.0471
25	Total Monthly Cost	L19+L21+L23+L24	\$0.2393

Calling Number and Name Delivery (per Line)

BELL ATLANTIC - NEW YORK

SUMMARY OF LIDB COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	BH CN&N Calls per Line	Product Management	0.68
2	Annual to Busy Hour Ratio	WP Part C-3, Sec 8 Pg 1, L6	0.000331
3	Monthly CN&N Calls per Line	L1/L2/12	171.37
4	% Calls with Private Numbers	Product Management	16%
5	Queries per Month	L3 *(1 -L4)	143.95
6	LIDB Cost per Query	Part E	0.000104
7	SS7 Transport for LIDB Message	Part E	0.000223
8	Total Monthly LIDB Cost	(L6 + L7) * L5	\$ 0.0471

Call Waiting Display Number (per Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 25, Pg 1, L19	\$0.1775
2	Common Overhead	WP: Part C-1, Sec 25, Pg 1, L21	\$0.0142
3	Gross Revenue Loading	WP: Part C-1, Sec 25, Pg 1, L23	\$0.0005
4	Total Monthly Cost	L1 + L2 + L3	\$0.1922

Call Waiting Display Number (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 25	\$4.0989
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$4.0989
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.6506
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.3369
8	Total In-Place Investment	L3+L5+L7	\$6.0864
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.9371
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0183
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0051
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.4559
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1873
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1775
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0142
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0005
24	Total Monthly Cost	L19+L21+L23	\$0.1922

Call Waiting Display Name (per Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 26, Pg 1, L19	\$0.1775
2	Common Overhead	WP: Part C-1, Sec 26, Pg 1, L21	\$0.0142
3	Gross Revenue Loading	WP: Part C-1, Sec 26, Pg 1, L23	\$0.0005
4	Total Monthly Cost	L1 + L2 + L3	\$0.1922

Call Waiting Display Name (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 26	\$4.0989
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$4.0989
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.6506
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.3369
8	Total In-Place Investment	L3+L5+L7	\$6.0864
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.9371
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0183
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0051
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.4559
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1873
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1775
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0142
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0005
24	Total Monthly Cost	L19+L21+L23	\$0.1922

Anonymous Call Rejection (per Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 27, Pg 1, L19	\$0.0297
2	Common Overhead	WP: Part C-1, Sec 27, Pg 1, L21	\$0.0024
3	Gross Revenue Loading	WP: Part C-1, Sec 27, Pg 1, L23	\$0.0001
4	Total Monthly Cost	L1 + L2 + L3	\$0.0321

Anonymous Call Rejection (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 27	\$0.6850
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$0.6850
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$0.2758
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.0563
8	Total In-Place Investment	L3+L5+L7	\$1.0171
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$0.3237
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0031
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0009
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.0762
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.0313
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.0297
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0024
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0001
24	Total Monthly Cost	L19+L21+L23	\$0.0321

Automatic Recall (Call Return) (per Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 28, Pg 1, L19	\$0.1802
2	Common Overhead	WP: Part C-1, Sec 28, Pg 1, L21	\$0.0145
3	Gross Revenue Loading	WP: Part C-1, Sec 28, Pg 1, L23	\$0.0005
4	Total Monthly Cost	L1 + L2 + L3	\$0.1952

Automatic Recall (Call Return) (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 28	\$4.1624
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$4.1624
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.6762
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.3421
8	Total In-Place Investment	L3+L5+L7	\$6.1807
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.9671
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0185
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0052
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.4629
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1902
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1802
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0145
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0005
24	Total Monthly Cost	L19+L21+L23	\$0.1952

Circuit Switched Voice Intercom (ISDN) (per Terminal)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	Total Monthly Cost	WP: Part C-1, Sec 29, Pg 1, L9	\$12.7548

Circuit Switched Voice Intercom (ISDN) (per Terminal)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	BH Intragroup CCS per Channel	Product Management	12.0
2	BH Intragroup MOU per Channel	L1 x 100 / 60	20.0
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 8 Pg 1, L6	0.000331
4	Annual Intragroup MOU	L2 / L3	60481.93
5	Monthly Intragroup MOU	L4 / 12	5040.16
6	UNE End Office Orig. Usage Rate	Exh Part C-2, Sect 1, Pg 1, L1	0.002696
7	UNE End Office Term. Usage Rate	Exh Part C-2, Sect 1, Pg 1, L2	0.002365
8	UNE End Office Average Usage Rate	(L6 + L7) / 2	\$0.002531
9	Monthly Intercom Costs per Channel	L5 x L8	\$12.7548

Circuit Switched Voice (ISDN) - Announcement (per Terminal)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 30, Pg 1, L19	\$5.6005
2	Common Overhead	WP: Part C-1, Sec 30, Pg 1, L21	\$0.4497
3	Gross Revenue Loading	WP: Part C-1, Sec 30, Pg 1, L23	\$0.0164
4	Total Monthly Cost	L1 + L2 + L3	\$6.0666

Circuit Switched Voice (ISDN) - Announcement (per Terminal)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment per Group	WP: Part C-1, Sec 39, Pg 4, L 30	\$646.7995
2	Lines per Group	Product Management	5
3	Material Investment per Line	L1/L2	\$129.3599
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$52.0932
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$10.6332
8	Total In-Place Investment	L3+L5+L7	\$192.0863
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$61.1341
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.5763
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.1620
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$14.3873
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$5.9096
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$5.6005
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.4497
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0164
24	Total Monthly Cost	L19+L21+L23	\$6.0666

Six-way Conference Calling (ISDN) (per Terminal)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 31, Pg 1, L19	\$0.4759
2	Common Overhead	WP: Part C-1, Sec 31, Pg 1, L21	\$0.0382
3	Gross Revenue Loading	WP: Part C-1, Sec 31, Pg 1, L23	\$0.0014
4	Total Monthly Cost	L1 + L2 + L3	\$0.5155

Six-way Conference Calling (ISDN) (per Terminal)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 4, L 31	\$10.9923
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$10.9923
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$4.4266
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.9035
8	Total In-Place Investment	L3+L5+L7	\$16.3224
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$5.1948
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0490
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0138
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$1.2225
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.5022
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.4759
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0382
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0014
24	Total Monthly Cost	L19+L21+L23	\$0.5155

Three-way Calling (ISDN) (per Terminal)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 32, Pg 1, L19	\$0.2063
2	Common Overhead	WP: Part C-1, Sec 32, Pg 1, L21	\$0.0166
3	Gross Revenue Loading	WP: Part C-1, Sec 32, Pg 1, L23	\$0.0006
4	Total Monthly Cost	L1 + L2 + L3	\$0.2234

Three-way Calling (ISDN) (per Terminal)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 4, L 32	\$4.7641
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$4.7641
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.9185
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.3916
8	Total In-Place Investment	L3+L5+L7	\$7.0743
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$2.2515
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0212
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0060
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.5299
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.2176
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.2063
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0166
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0006
24	Total Monthly Cost	L19+L21+L23	\$0.2234

Calling Number Delivery (ISDN) (per Directory Number)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 33, Pg 1, L19	\$0.0000
2	Common Overhead	WP: Part C-1, Sec 33, Pg 1, L21	\$0.0000
3	Gross Revenue Loading	WP: Part C-1, Sec 33, Pg 1, L23	\$0.0000
4	Total Monthly Cost	L1 + L2 + L3	\$0.0000

Calling Number Delivery (ISDN) (per Directory Number)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 4, L 33	\$0.0000
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$0.0000
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$0.0000
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.0000
8	Total In-Place Investment	L3+L5+L7	\$0.0000
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$0.0000
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0000
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0000
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.0000
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.0000
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.0000
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0000
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0000
24	Total Monthly Cost	L19+L21+L23	\$0.0000

Calling Name Delivery (ISDN) (per PRI)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 34, Pg 1, L19	\$0.0000
2	Common Overhead	WP: Part C-1, Sec 34, Pg 1, L21	\$0.0000
3	Gross Revenue Loading	WP: Part C-1, Sec 34, Pg 1, L23	\$0.0000
4	LIDB	WP: Part C-1, Sec 34, Pg 1, L24	\$1.1075
5	Total Monthly Cost	L1 + L2 + L3	\$1.1075

Calling Name Delivery (ISDN) (per PRI)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 34	\$0.0000
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$0.0000
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$0.0000
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.0000
8	Total In-Place Investment	L3+L5+L7	\$0.0000
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$0.0000
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0000
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0000
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.0000
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.0000
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.0000
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0000
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0000
24	Total Monthly LIDB Cost	WP Part C-1, Sect 34, Pg 2, L8	\$1.1075
25	Total Monthly Cost	L19+L21+L23+L24	\$1.1075

Calling Name Delivery (ISDN) (per PRI)

BELL ATLANTIC - NEW YORK

SUMMARY OF LIDB COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	BH CN&N Calls per Line	Product Management	16
2	Annual to Busy Hour Ratio	WP Part C-3, Sec 8 Pg 1, L6	0.000331
3	Monthly CN&N Calls per Line	L1/L2/12	4032.13
4	% Calls with Private Numbers	Product Management	16%
5	Queries per Month	L3 *(1 -L4)	3386.99
6	LIDB Cost per Query	Part E	0.000104
7	SS7 Transport for LIDB Message	Part E	0.000223
8	Total Monthly LIDB Cost	(L6 + L7) * L5	\$ 1.1075

SIMPLIFIED MESSAGE DESK INTERFACE
BELL ATLANTIC - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 37, Pg 2, L19	\$179.0893
2	Common Overhead	WP: Part C-1, Sec 37, Pg 2, L21	\$14.3809
3	Gross Revenue Loading	WP: Part C-1, Sec 37, Pg 2, L23	\$0.5238
4	Total Monthly Cost per Customer	L1 + L2 + L3	\$193.9939

SIMPLIFIED MESSAGE DESK INTERFACE
BELL ATLANTIC - MASSACHUSETTS

MATERIAL INVESTMENT PER CUSTOMER

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Modem	Vendor	\$455.26
2	Application Processor	Vendor	\$3,386.75
3	SMDI Port	SCIS	\$116.76
4	Message Waiting Indicator	SCIS	\$0.00
5	Interswitch Vioce Messaging	SCIS	\$40.71
6	Application Processor DSL Interface	SCIS	\$137.13
7	Total per Customer	Sum L1 through L6	\$4,136.61

SIMPLIFIED MESSAGE DESK INTERFACE
BELL ATLANTIC - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 37, Pg 1, L 7	\$4,136.61
2	Utilization Factor	Not Applicable	1
3	Adjusted Material Investment	L1/L2	\$4,136.61
4	Digital Switch EF&I Factor	V Cost	0.4027
5	Installation Cost	L3 x L4	\$1,665.81
6	Power Factor	V Cost	0.0586
7	Power Investment	(L3 + L5) x L6	\$340.02
8	Total In-Place Investment	L3+L5+L7	\$6,142.44
9	Digital Switch ACF	V Cost	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1,954.9162
11	Land Factor	V Cost	0.003
12	Land Investment	L8 x L11	\$18.43
13	Land ACF	V Cost	0.2811
14	Annual Land Cost	L12 x L13	\$5.1796
15	Building Factor	V Cost	0.0749
16	Building Investment	L8 x L15	\$460.07
17	Building ACF	V Cost	0.4108
18	Annual Building Cost	L16 x L17	\$188.9758
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$179.0893
20	Common Overhead Factor	V Cost	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$14.3809
22	Gross Revenue Loading Factor	V Cost (Grossed-up Factor)	0.0027073
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.5238
24	Total Monthly Cost	L19+L21+L23	\$193.9939

Utilization Adjustment Factors
VERIZON - MASSACHUSETTS

Utilization Adjustment Factor - GR 303 (POTS)

5ESS			Required	Actual	SCIS	Breakage	Admin	Average	Utilization
<u>Line</u>	<u># Lines</u>	<u>Cap@93%</u>	<u># of IDCUs</u>	<u># of IDCUs</u>	<u># of IDCUs</u>	<u>Adjust Factor</u>	<u>Fill Factor</u>	<u>Fill Factor</u>	<u>Adjust Factor</u>
(A)	(B)	(C)	(D=B/C)	(E=D')	(F=D+0.5)	(G=E/F)	(H)	(I)	(J=I/H/G)
1	640555	892	718.11	719	718.61	1.0005	93%	80%	85.97%

DMS			Required	Actual	SCIS	Breakage	Admin	Average	Utilization
<u>Line</u>	<u># Lines</u>	<u>Cap@93%</u>	<u># of ESMAs</u>	<u># of ESMAs</u>	<u># of ESMAs</u>	<u>Adjust Factor</u>	<u>Fill Factor</u>	<u>Fill Factor</u>	<u>Adjust Factor</u>
(A)	(B)	(C)	(D=B/C)	(E=D')	(F=D+0.5)	(G=E/F)	(H)	(I)	(J=I/H/G)
2	480731	1071	448.86	449	449.36	0.9992	93%	80%	86.09%

Zone	Wghtd Utilization	5ESS lines	DMS Lines	% 5ESS	% DMS
3	86.02464%	640555	480731	57.13%	42.87%

Utilization Adjustment Factors
BELL ATLANTIC - NEW YORK

Utilization Adjustment Factor - Analog Lines (POTS)

5ESS Line	# Lines	Cap@95%	Required # of AIUs	Actual # of AIUs	SCIS AIUs	Breakage Adjust Factor	Admin Fill Factor	Average Fill Factor	Utilization Adjust Factor
(A)	(B)	(C)	(D=B/C)	(E=D')	(F=D+0.5)	(G=E/F)	(H)	(I)	(J=I/H/G)
1	1921950	486	3954.63	3955	3955.13	1.0000	95%	93%	97.90%

DMS Line	# Lines	Cap@95%	Required # of LCMs	Actual # of LCMs	SCIS # of LCMs	Breakage Adjust Factor	Admin Fill Factor	Average Fill Factor	Utilization Adjust Factor
(A)	(B)	(C)	(D=B/C)	(E=D')	(F=D+0.5)	(G=E/F)	(H)	(I)	(J=I/H/G)
2	1442194	608	2372.03	2373	2372.53	1.0002	95%	93%	97.88%

Line	Wghtd Utilization	5ESS lines	DMS Lines	% 5ESS	% DMS
3	97.88825%	1921666	1442194	57.13%	42.87%

Utilization Adjustment Factors
VERIZON - MASSACHUSETTS

Utilization Adjustment Factor - Lines (POTS)

		Wghtd Utilization	% Line	
1	Digital or Gr303	86.02464%	25.00000%	21.50616%
2	Analog	97.88825%	75.00000%	73.41619%
3	Line Port Utilization			94.92235%

Utilization Adjustment Factors
BELL ATLANTIC - NEW YORK

Utilization Adjustment Factor - Digital Trunks

5ESS Line		# Trunks	Cap@95%	Required # of DNUs	Actual # of DNUs	SCIS # of DNUs	Breakage Adjust Factor	Admin Fill Factor	Average Fill Factor	Utilization Adjust Factor
(A)		(B)	(C)	(D=B/C)	(E=D')	(F=D+0.5)	(G=E/F)	(H)	(I)	(J=I/H/G)
1	EO	482733	7660	63.02	64	63.52	1.0076	95%	90%	94.03%
2	Tdm	547710	7660	71.50	72	72.00	1.0000	95%	90%	0.00%
DMS Line		# Trunks	Cap@95%	Required # of DTCs	Actual # of DTCs	SCIS # of DTCs	Breakage Adjust Factor	Admin Fill Factor	Average Fill Factor	Utilization Adjust Factor
(A)		(B)	(C)	(D=B/C)	(E=D')	(F=D+0.5)	(G=E/F)	(H)	(I)	(J=I/H/G)
3	EO	290112	456	636.21	637	636.71	1.0005	95%	90%	94.69%
4	Tdm	113000	456	247.81	248	248.31	0.9988	95%	90%	94.85%
Wghtd Utilization										
Line				5ESS lines	DMS Lines	% 5ESS	% DMS			
5	EO	94.27685%		482733	290112	62.46%	37.54%			
6	Tdm	94.85412%		547710	113000	82.90%	17.10%			

Switch Material Investments
End Offices
VERIZON - MASSACHUSETTS

A	B	C	D	E	F
Line		Source	Discounted Material	Weighting Factor	Weighted Investment
	Switch Ports				
1	Analog Line Port				
1.1	5ESS SCIS Material Investment	SCIS	\$ 63.5569	57.13%	\$ 36.3080
1.2	DMS SCIS Material Investment	SCIS	\$ 38.5575	42.87%	\$ 16.5308
1.3	Weighted SCIS/MO Material Investment	L1.1F + L1.2F			\$ 52.8389
2	Line Port				
2.1	5ESS SCIS Material Investment	SCIS	\$ 67.6173	57.13%	\$ 38.6276
2.2	DMS SCIS Material Investment	WP Part C-1, Sec 39 Pg 1 L3	\$ 31.0032	42.87%	\$ 13.2921
2.3	Weighted SCIS/MO Material Investment	L2.1F+ L2.2F			\$ 51.9197
3	Analog Coin Port				
3.1	5ESS SCIS Material Investment	SCIS	\$ 63.5569		
3.2	5ESS Analog Coin Port Differential	WP Part C-1, Sec 40 Pg 1 L9	\$ 1.3804		
3.3	Total 5ESS Material Investment	L3.1D + L3.2D	\$ 64.9374	57.13%	\$ 37.0966
3.4	DMS SCIS Material Investment	SCIS	\$ 38.5575		
3.5	DMS Analog Coin Port Differential	WP Part C-1, Sec 40 Pg 1 L8	\$ 17.1184		
3.6	Total DMS Material Investment	L3.4D + L3.5D	\$ 55.6759	42.87%	\$ 23.8700
3.7	Weighted SCIS/MO Material Investment	L3.3F + L3.6F			\$ 60.9667
4	Coin Port				
4.1	5ESS SCIS Material Investment	SCIS	\$ 67.6173		
4.2	5ESS Weighted Coin Port Differential	WP Part C-1, Sec 40 Pg 1 L11	\$ 1.3804		
4.3	Total 5ESS Material Investment	L4.1D + L4.2D	\$ 68.9978	57.13%	\$ 39.4162
4.4	DMS SCIS Material Investment	SCIS	\$ 31.0032		
4.5	DMS Weighted Coin Port Differential	WP Part C-1, Sec 40 Pg 1 L10	\$ 12.9546		
4.6	Total DMS Material Investment	L4.4D + L4.5D	\$ 43.9578	42.87%	\$ 18.8461
4.7	Weighted SCIS/MO Material Investment	L4.3F + L4.6F			\$ 58.2623
5	End Office Trunk Port				
5.1	5ESS SCIS Material Investment	SCIS	\$ 90.8934	62.46%	\$ 56.7737
5.2	DMS SCIS Material Investment	SCIS	\$ 83.4440	37.54%	\$ 31.3234
5.3	Weighted SCIS/MO Material Investment	L5.1F + L5.2F		(Per DS-0)	\$ 88.0970
5.4		L5.3 * 24		(Per DS-1)	\$ 2,114.3289
6	ISDN BRI Port				
6.1	5ESS SCIS Wghtd Material Investment	SCIS	\$ 241.6461	79.45%	\$ 191.9759
6.2	DMS-100 SCIS Wghtd Material Investment	SCIS	\$ 219.1056	20.55%	\$ 45.0370
6.3	Weighted SCIS/MO Material Investment	L7.1F + L7.2F			\$ 237.0129
7	ISDN PRI Port				
7.1	5ESS SCIS Material Investment- PRI	SCIS	\$ 374.8645	68.95%	\$ 258.4620
7.2	DMS SCIS Material Investment- PRI	SCIS	\$ 223.7158	31.05%	\$ 69.4680
7.3	5ESS SCIS Material Investment- B Channel	SCIS	\$ 57.6699	68.95%	\$ 39.7623
7.4	DMS SCIS Material Investment- B Channel	SCIS	\$ 112.1560	31.05%	\$ 34.8266
7.5	5ESS SCIS Material Investment- ISDN PRI	L7.1F +(L7.3F * 23)			\$ 1,173.00
7.6	DMS SCIS Material Investment- ISDN PRI	L7.2F + (L7.4 * 23)			\$ 870.48
7.7	Weighted ISDN PRI	L7.5F + L7.6F			\$ 2,043.4739

Switch Material Investments
End Offices
VERIZON - MASSACHUSETTS

COIN FEATURE

8	Delay Announcement		
8.1	SCIS I/N 5ESS Material Investment	\$	1.3804
8.2	SCIS I/N DMS Material Investment	\$	0.4632

CENTREX FEATURES

9	Centrex Intercom (per Centrex Line)		
	SCIS I/N Weighted Material Investment	(Usage Costs Only) \$	-
			Per line
10	Centrex Announcement (per Centrex Line)		
	SCIS I/N Weighted Material Investment	\$	255.5429
			Per Group
11	3-Way Conference (per Centrex Line)		
	SCIS I/N Weighted Material Investment	\$	4.7641
			Per Station Line
12	Automatic Callback (per Centrex Line)		
	SCIS I/N Weighted Material Investment	\$	4.1032
			Per Station Line
13	Distinctive Ringing (per Centrex Line)		
	SCIS I/N Weighted Material Investment	\$	0.4358
			Per Station Line
14	Loudspeaker Paging (per Trunk)		
	SCIS I/N Weighted Material Investment	\$	139.6687
			per Trunk
15	Meet-Me Conference (per Group)		
	SCIS I/N DMS Material Investment(Available in DMS-100 Only)	\$	2.7317
			per Group
16	Selective Call Acceptance (per Centrex Line)		
	SCIS I/N Weighted Material Investment	\$	0.5238
			Per Station Line
17	Selective Call Forwarding (per Centrex Line)		
	SCIS I/N Weighted Material Investment	\$	0.2083
			Per Station Line
18	Selective Call Rejection (per Centrex Line)		
	SCIS I/N Weighted Material Investment	\$	3.7007
			Per Station Line
19	Six Way Conference (per Centrex Line)		
	SCIS I/N Weighted Material Investment	\$	18.3205
			Per Station Line
20	Station Message Detail Record to Premise (per Group)		
	SCIS I/N DMS Material Investment(Available in DMS-100 Only)	\$	272.3567
			Per Group

Switch Material Investments
End Offices
VERIZON - MASSACHUSETTS

INDIVIDUAL LINE FEATURES:

21	Three-way Calling (per Line)		
	SCIS I/N Weighted Material Investment	\$	4.7641
			Per Line
22	Remote Call Forwarding (per Line)		
	SCIS I/N Weighted Material Investment	\$	30.1203
			Per Line
23	Calling Number Delivery (per Line)		
	SCIS I/N Weighted Material Investment	\$	4.0989
			Per Line
24	Calling Number and Name Delivery (per Line)		
	SCIS I/N Weighted Material Investment	\$	4.0989
			Per Line
25	Call Waiting Display Number (per Line)		
	SCIS I/N Weighted Material Investment	\$	4.0989
			Per Line
26	Call Waiting Display Name (per Line)		
	SCIS I/N Weighted Material Investment	\$	4.0989
			Per Line
27	Anonymous Call Rejection (per Line)		
	SCIS I/N Weighted Material Investment	\$	0.6850
			Per Line
28	Automatic Recall (Call Return) (per Line)		
	SCIS I/N Weighted Material Investment	\$	4.1624
			Per Line

Switch Material Investments
End Offices
VERIZON - MASSACHUSETTS

A	B	C	D	E	F
		Source	Discounted Material	Weighting Factor	Weighted Investment
ISDN FEATURES					
29	Circuit Switched Voice Intercom (ISDN) (per Terminal)				
	SCIS I/N Weighted Material (Total Feature) Investment		(Usage Costs Only)	\$	-
					Per Terminal
30	Circuit Switched Voice (ISDN) - Announcement (per Terminal)				
	SCIS I/N Weighted Material Investment			\$	646.7995
					Per Group
31	Six-way Conference Calling (ISDN) (per Terminal)				
	SCIS I/N Weighted Material Investment			\$	10.9923
					Per Terminal
32	Three-way Calling (ISDN) (per Terminal)				
	SCIS I/N Weighted Material Investment			\$	4.7641
					Per Terminal
33	Calling Number Delivery (ISDN) (per Directory Number)				
	SCIS I/N Weighted Material Investment			\$	-
					Per Directory No.
34	Calling Name Delivery (ISDN) (per PRI)				
	SCIS I/N Weighted Material Investment			\$	-
					Per PRI
Switch Ports					
35	Integrated Digital Loop Carrier Port				
35.1	5ESS SCIS Material Investment	SCIS	\$ 44.3575	57.13%	\$ 25.3400
35.2	DMS SCIS Material Investment	SCIS	\$ 8.3491	42.87%	\$ 3.5795
35.3	Weighted SCIS/MO Material Investment	L5.1F + L5.2F		(Per DS-0)	\$ 28.9195
35.4		L35.3 * 24		(Per DS-1)	\$ 694.0690
35.5		L35.4*4		(Per 4 DS-1s)	\$ 2,776.2760
	DMS Digital Line Weighting	Lines	% wghting	Invest	Wghtd Invest
35.5	Remotes	47,869	9.96%	\$ 17.0792	\$ 1.7007
35.6	Hosts	432,862	90.04%	\$ 7.3837	\$ 6.6484
35.7					\$ 8.3491

Switch Material Investments
Tandems
VERIZON - MASSACHUSETTS

A	B	C	D	E	F
		Source	Discounted Material	Weighting Factor	Weighted Investment
1	Tandem Trunk Port				
1.1		5ESS	\$ 85.3795	82.90%	\$ 70.7772
1.2		DMS	\$ 71.4570	17.10%	\$ 12.2211
1.3	Weighted SCIS/MO Material Investment			(Per DS-0)	\$ 82.9983
1.4		L1C *24		(Per DS-1)	\$ 1,991.9597
2	TOPS Trunk Port				
2.1		5ESS		0.00%	\$ -
2.2		DMS	\$ 71.4570	100.00%	\$ 71.4570
2.3	Weighted SCIS/MO Material Investment			(Per DS-0)	\$ 71.4570
2.4		L2C * 24		(Per DS-1)	\$ 1,714.9668

COIN FUNCTIONALITY INVESTMENT SUPPORT

VERIZON - MASSACHUSETTS

LINE	ITEM A	SOURCE B	VALUE C
HARDWARE - LINE CARD (DMS-100)			
1	6X18AA Ground Start Line Card (Required for Coin)	Vendor	\$32.45
2	6X17AC POTS Line Card (Used in Analog Line Port)	Vendor	\$23.66
3	Net Discounted Cost per Line - Line Card	L1 - L2	\$8.80
HARDWARE - POWER CONVERTER (DMS-100)			
4	6X23AA Line Card (Serves 10 Lines)	Vendor	\$78.58
5	Net Discounted Cost per Line - Power Converter	L4 / (10)	\$7.86
HARDWARE - ANNOUNCEMENTS CIRCUITS			
6	DMS-100 (Per Coin Port)	WP Part C-1, Sec 39, Pg 2, L8.1	\$0.4632
7	5ESS (Per Coin Port)	WP Part C-1, Sec 39, Pg 2, L8.2	\$1.3804
8	Total DMS Analog Port H'dware Differential	L3 + L5 + L6	\$17.12
9	Total 5ESS Analog Port H'dware Differential	L7	\$1.38
10	Total Material Cost - DMS Digital Coin Port Support (Announcement Circuits Only)**	L6	\$0.46
11	Total Material Cost - 5ESS Digital Coin Port Support (Announcement Circuits Only)**	L7	\$1.38
12	Percent Digital Lines	SCIS Inputs	25%
13	Weighted Material Cost - DMS Coin Port Support	$(L10 * L12) + (L8 * (1 - L12))$	\$12.95
14	Weighted Material Cost - 5ESS Coin Port Support	$(L11 * L12) + (L9 * (1 - L12))$	\$1.38

** Digital Line Ports in DMS and 5ESS include coin port functionality; however, both switches require announcements hardware.

Note : This tab functions as a single point of input for common factors used in the Workpapers. It *should not* be printed and included as part of any paper filing package.

<i>Input</i>	<i>Reference</i>	<i>Value</i>
Line Utilization Adjustment		
	WP Part C-1, Sect 38, Pg 3, L3	0.949
Analog Line Utilization Adjustment		
	WP Part C-1, Sect 38, Pg 2, L3	0.979
Digital Trunk Utilization Adjustment		
End Office	WP Part C-1, Sect 38, Pg 4, L5	0.943
Tandem	WP Part C-1, Sect 38, Pg 4, L6	0.949
Feature Utilization Adjustment	N/R	1.000
Digital Switch EF&I Factor	VCOST	0.402700
Power Factor	VCOST	0.058600
Digital Switch ACF	VCOST	0.318264
Land Factor	VCOST	0.003000
Land ACF	VCOST	0.281083
Building Factor	VCOST	0.074900
Building ACF	VCOST	0.410755
Common Overhead Factor	VCOST	0.080300
Gross Revenue Loading Factor	VCOST (Grossed Up)	0.002707
Annual to Busy Hour Ratio	WP Part C-3, Sec 8 Pg 1, L6	0.000331
LIDB Cost per Query	Part E	\$0.000104
SS7 Transport for LIDB Message	Part E	\$0.000223
Originating MOU		
UNE End Office Orig. Usage Rate	Exh Part C-2, Sect 1, Pg 1, L1	\$0.002696
Terminating MOU		
UNE End Office Term. Usage Rate	Exh Part C-2, Sect 1, Pg 1, L2	\$0.002365
ISDN BRI		
5ESS	SCIS	52568
DMS	SCIS	13601
	%	79.45%
	%	20.55%
ISDN PRI		
5ESS	SCIS	4372
DMS	SCIS	1969
	%	68.95%
	%	31.05%

Part B-2 Section Index

Section

Switching

- 1 Switch Usage (per MOU)

Trunks

- 2 Common Trunk (Per MOU)

Transport

- 3 Common Transport (Separate File)

Supporting Workpapers

- 4 SCIS End Office Results
- 5 SCIS Tandem Office Results
- 6 RTU Costs
- 7 Features Included in Usage

should not

<i>Input</i>	<i>Reference</i>	<i>Value</i>
Digital Switch EFI Factor	VCOST	0.402700
Power Factor	VCOST	0.058600
Digital Switch ACF	VCOST	0.318264
Land Factor	VCOST	0.003000
Land ACF	VCOST	0.281083
Building Factor	VCOST	0.074900
Building ACF	VCOST	0.410755
Common Overhead Factor	VCOST	0.080300
Gross Revenue Loading Factor	VCOST	0.002707
Right-To -Use Factor	Part G-9	0.019700
Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
Fixed Monthly Cost of DS-1 Transport	Part D-6	\$ 46.42
Variable Monthly Cost of DS-1 Transport, per Mile	Part D-6	\$ 1.41
Umbilical to Host Miles	V & H Calculated	9.94
Hosts	SCIS INPUT STATISTICS	133
Tandems	SCIS INPUT STATISTICS	9
SS7 Cost per MOU	N/A	\$ -

DEFRAGMENTED VZ-MA STUDY;
CORRECTED 5ESS IDLC PORT INVESTMENT; AND VZ-MA CORRECTIONS TO TRUNK MOU

Summary

Element	End Office	Tandem	TOPS	IOF
Switching (avg)	0.0027560	0.0002744		
Switching - Orig	0.0029214			
Switching - Term	0.0025631			
Common Trunk	0.0007048	0.0005717	0.0014113	
VZ-MA -As Filed				
Switching (avg)	0.002756	0.0002744		
Switching - Orig	0.0029214			
Switching - Term	0.0025631			
Common Trunk	0.000705	0.0005717	0.0014113	
Differences				
Switching (avg)	0%	0%		
Switching - Orig	0%			
Switching - Term	0%			
Common Trunk*	0%	0%	0%	

VZ-MA corrections to MOU included per response to ATT 4-46

Switch Usage (per MOU)
VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
End Office			
1	Originating End Office Usage	WP: Part C-2, Sec 1, Pg 1, L34	\$0.002921
2	Terminating End Office Usage	WP: Part C-2, Sec 1, Pg 1, L36	\$0.002563
Tandem			
3	Tandem Usage	WP: Part C-2, Sec 1, Pg 2, L29	\$0.000274

Local Switch Usage

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	C
1	TS Material Investment	WP Part C-2, Sec 4, Pg 1, L25	\$309,796,195
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-2, Sec 4, Pg 2, L12	26,012,508
3	Material Investment per BH MOU	L1/L2	\$11.90951
4	Digital Switch EFI Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$4.795859
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.978940
8	Total In-Place Investment	L3+L5+L7	\$17.684408
9	Digital Switch ACF	VCOST	0.318263529
10	Annual Digital Switch Cost	L8 x L9	\$5.628302
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.053053
13	Land ACF	VCOST	0.281083327
14	Annual Land Cost	L12 x L13	\$0.014912
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$1.324562
17	Building ACF	VCOST	0.410755193
18	Annual Building Cost	L16 x L17	\$0.544071
19	RTU per MOU	WP Part C-2, Sec 6, PG1, L10	\$0.698426
20	Total TELRIC Annual Cost	(L10+L14+L18+L19)	\$6.885712
21	Common Overhead Factor	VCOST	0.0803
22	Common Overhead Annual Cost	L20 x L21	\$0.552923
23	Gross Revenue Loading Factor	VCOST	0.0027073
24	Gross Revenue Annual Cost	(L20+L22) x L23	\$0.020139
25	Umbilical Cost per BH MOU	WP Part C-2, Sec 4, Pg 3, L12	0.026238
26	Total Cost per BH MOU	L20+L22+L24+L25	\$7.49
27	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
28	Cost per AHD MOU	L26*L27	\$0.002475
29	Non Conversation Time Adjustment	WP Part C-3, Sec 6, Pg 1, 16	1.113
30	Total Switching Cost per MOU	L28*L29	\$0.002756
31	SS7 Cost per MOU	N/A	0
32	Total Cost per Mou	L30 + L31	\$0.002756
33	Originating to Average Ratio	Service Costs	1.06
34	Originating MOU	L32*L33	\$0.002921
35	Terminating to Average Ratio	Service Costs	0.93
36	Terminating MOU	L32*L35	\$0.002563

Tandem Switch Usage

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	TANDEM C
1	TS Material Investment	WP Part C-2, Sec 5, Pg 1, L10	\$23,341,671.00
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-2, Sec 5, Pg 2, L3	18,818,027
3	Material Investment per BH MOU	L1/L2	\$1.24039
4	Digital Switch EFI Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$0.499505
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.101958
8	Total In-Place Investment	L3+L5+L7	\$1.841851
9	Digital Switch ACF	VCOST	0.318263529
10	Annual Digital Switch Cost	L8 x L9	\$0.586194
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.005526
13	Land ACF	VCOST	0.281083327
14	Annual Land Cost	L12 x L13	\$0.001553
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.137955
17	Building ACF	VCOST	0.410755193
18	Annual Building Cost	L16 x L17	\$0.05667
19	RTU per MOU	WP Part C-2, Sec 6, Pg 2, L10	\$0.121529
20	Total TELRIC Annual Cost	(L10+L14+L18+L19)	\$0.765942
21	Common Overhead Factor	VCOST	0.0803
22	Common Overhead Annual Cost	L20 x L21	\$0.061505
23	Gross Revenue Loading Factor	VCOST	0.0027073
24	Gross Revenue Annual Cost	(L20+L22) x L23	\$0.002240
25	Total Switching Cost per BH MOU	L20+L22+L24	\$0.83
26	SS7 Cost per MOU	N/A	\$ -
27	Total Tandem Cost per BH MOU	L25 + L26	\$0.83
28	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
29	Cost per AHD MOU	L26*L27	\$0.000274

Common Trunk (per MOU)
VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
End Office			
1	Common End Office Trunk	WP: Part C-2, Sec 2, Pg 1, L6	\$0.000705
Tandem			
2	Common Tandem Trunk	WP: Part C-2, Sec 2, Pg 2, L6	\$0.000572
TOPS			
3	Common TOPS Trunk	WP: Part C-2, Sec 2, Pg 3, L6	\$0.001411

Common End OfficeTrunk

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	VALUE C
1	Monthly Cost - End Office Trunk (DS-0)	(Exh Part C-1 Sec 5 Page 1) / 24	\$ 4.38
2	BH MOU per Trunk	WP Part C-2, Sec 4, Pg 2, L18	24.66
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
4	Annual MOU	L2/L3	74,575.60
5	Monthly MOU	L4/12	6,214.63
6	Cost per MOU	L1/L5	\$ 0.000705

Common Tandem Trunk

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	VALUE C
1	Monthly Cost - Tandem Trunk (DS-0)	(Exh Part C-1, Sec 6, Page 1, L4) / 24	\$ 4.10
2	Tandem BH MOU per Trunk	WP Part C-2, Sec 5, Pg 2, L3	28.48
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
4	Annual MOU	L2/L3	86,131
5	Monthly MOU	L4/12	7,177.57
6	Cost per MOU	L1/L5	\$ 0.000572

Common TOPS Trunk

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	VALUE C
1	Monthly Cost - TOPS Trunk (DS-0)	(Exh Part C-1, Sec 6.1, Page 1, L4) / 24	\$ 3.53
2	TOPS BH MOU per Trunk	WP Part C-2, Sec 5, Pg 2, L4	9.93
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
4	Annual MOU	L2/L3	30,039
5	Monthly MOU	L4/12	2,503.28
6	Cost per MOU	L1/L5	\$ 0.001411

SCIS End Office Total Material Investment

VERIZON - MASSACHUSETTS

Line #	SCIS Non ISDN:	A 5 ESS	B DMS	C Meld
1.	Getting Started	126863610	48878475	175742085
2.	SM 2000 EPHC	36024789		36024789
3.	Line Term. A+C+D	159500088	59616910	219116998
4.	LINE CCS	50951958	23646433	74598391
5.	Term Call	0	0	0
6.	Trunk CCS	39468836	24045548	63514384
7.	SS7 Link	736089	1693509	2429598
8.	UMBILICAL TRUNK CCS		1,734,901	1734901
9.	-----	\$ 413,545,370	\$ 159,615,776	\$ 573,161,146
	(Sum L1 to L8)			
SCIS ISDN Investments:				
10.	SM 2000 Real Time EPHC	6670743		6670743
11.	BRI - U Card	12702850	2980920	15683770
12.	ISDN LINE CCS	4019406	521621	4541027
13.	PRI D CHANNEL	1638908	440496	2079404
14.	PRI B CHANNEL	5799056	5079210	10878266
15.	D CH. ACC. PPS	4425144	715082	5140226
16.	PPB CH. ACCESS PPS		486415	486415
17.	INTER-SWITCH PPS	753807	163329	917136
18.	XAT PPS	21253		21253
19.	ADD'L BRI PPB CH.		794180	794180
20.	ADD'L D CH. TERM.		423746	423746
21.	ADD'L XAT Channel	271705		271705
22.	-----	\$ 36,302,872	\$ 11,604,999	\$ 47,907,871
	(Sum L10 to L21)			
23.	Total Local Switch - SCIS (L9 + L22)	\$ 449,848,242	\$ 171,220,775	\$ 621,069,017
24.	Total NTS (L3 + L6 + L11 + L13 + L14)	\$ 219,109,738	\$ 92,163,084	\$ 311,272,822
25.	Total TS (Usage) (L23 - L24)	\$ 230,738,504	\$ 79,057,691	\$ 309,796,195

End Office Minutes of Use

VERIZON - MASSACHUSETTS

		A	B	C
Line		Number of Lines	Zone 1A CCS per Line	TOTAL CCS
A. End Office Lines:				
5ESS CCS:				
1	POTS Lines	2562505	3.72	9532519
2	ISDN BRI Lines	52568	8.98	472061
3	POTS Lines on ISDN Interface			0
4	5ESS CCS TOTAL			10,004,579
5	5ESS MOU TOTAL	(= CCS * 100 / 60)		16,674,299
DMS-100 CCS:				
Number of Lines				
CCS per Line				
TOTAL CCS				
6	POTS Lines	1922925	3.79	7287886
7	ISDN BRI Lines	13601	9.31	126625
8	POTS Lines on ISDN Interface			0
9	DMS-100 CCS TOTAL			7,414,511
10	DMS-100 MOU TOTAL	(= CCS * 100 / 60)		12,357,518
Total				
11	5ESS & DMS-100 CCS			17,419,090
12	5ESS & DMS-100 MOU at Midpoint of Planning Cycle	(= CCS * 100 / 60)*0.896)		26,012,508
13	Annual to Busy Hour Ratio		0.000331	
14	Annual MOUs	(=BH MOU/ABHR)		78,664,331,970
B. End Office Trunks:				
15	5ESS	482733	15.88	7,665,800
16	DMS-100	290112	14.55	4,221,130
17	Digital Trunk CCS /Trunk		15.38	11,886,930
18	Digital Trunk MOU at Midpoint of Planning Cycle		24.66	19,058,711

Notes: 1. MOU = Minutes of Use
2. CCS = Hundred Call Seconds

Umbilical Costs

VERIZON - MASSACHUSETTS

	A	B	C	D
		Monthly	Avg. Miles	-----
L1	-----			196
L2	-----	\$ 46.42		\$9,098
L3	-----	\$ 1.41	9.94	\$2,749
L4	-----			\$11,847
		Monthly	Avg. Miles	-----
L5	-----			745
L6	-----	\$ 46.42		\$34,581
L7	-----	\$ 1.41	9.94	\$10,448
L8	-----			\$45,029
L9	-----		L4D + L8D	\$56,876
L10	-----		L9 * 12	\$682,513
L11	-----	WP Part C-2,Sec 4,L12		26,012,508
L12	-----		L10 / L11	\$0.026238

Tandem Switch Total Investment

VERIZON - MASSACHUSETTS

Line #		ACCESS TANDEM		TOTAL	TOPS
		5 ESS	DMS-200		DMS-200
SCIS RESULTS:					
(Lines 1 to 8)					
1.	Getting Started	8,685,736	1,335,312	10,021,048	667,656
2.	SM 2000 EPHC	13,096,516			
3.	A+C				
4.	LINE CCS				
5.	Term Call				
6.	Tdm Trunk CCS	46,763,182	8,074,635	54,837,817	645,614
7.	SS7 Link	72,572	151,535	224,107	8,916
8.	-----	68,618,006	9,561,482	78,179,488	1,322,186
(Sum L1 to L7)				0	
9.	Total NTS (L3 + L6)	\$ 46,763,182	\$ 8,074,635	54,837,817	\$ 645,614
10.	Total TS (Usage) (L8 - L9)	\$ 21,854,824	\$ 1,486,847	23,341,671	\$ 676,572

Tandem Minutes of Use

VERIZON - MASSACHUSETTS

Line	A	B	C	D	E	F
		No. Digital Trunks	BH CCS / Trunk	BH MOU / Trunk (C * 100/60)	Total BH CCS (B * C)	Planning point (B * D * 0.962)
Tandems						
1	5ESS	547,710	17.74	29.57	9,716,375	15,578,589
2	DMS	113,000	17.88	29.80	2,020,440	3,239,439
3	TOTAL			28.48		18,818,027
TOPS						
4	DMS	9,035	5.96	9.93	53,849	86,337.26

RTU Cost per MOU - Local Switching

VERIZON - MASSACHUSETTS

LINE#	ITEM A	SOURCE B	C
1	Total Material Investment	WP Part C-2, Sec 4, Pg 1, L23	\$621,069,017
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-2, Sec 4, Pg 2, L12	26,012,508
3	Total Material Investment per BH MOU	L1/L2	\$23.87578
4	Digital Switch EFI Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$9.614778
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$1.962547
8	Total In-Place Investment	L3+L5+L7	\$35.453109
9	Right-To -Use Factor	Part G-9	0.0197
10	Right -To-Use Cost per MOU(BH)	L8 * L9	\$ 0.698426

RTU Cost per MOU - Tandem Switching

VERIZON - MASSACHUSETTS

1	Total Material Investment	WP Part C-2, Sec 5, Pg 1, L8	\$78,179,488
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-2, Sec 5, Pg 2, L3	18,818,027
3	Total Material Investment per BH MOU	L1/L2	\$4.15450
4	Digital Switch EFI Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.673017
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.341492
8	Total In-Place Investment	L3+L5+L7	\$6.169009
9	Right-To -Use Factor	Part G-9	0.0197
10	Right -To-Use Cost per MOU(BH)	L8 * L9	\$ 0.121529

LOCAL SWITCHING
VERIZON - MASSACHUSETTS
FEATURES INCLUDED IN LOCAL SWITCH USAGE

LINE	ITEM A	ITEM B	ITEM C
1	Authorization Codes	Call Forwarding Variable	Time Key
2	Automatic Route Selection-basic/delux/frt	Call Forwarding Busy Line	Feature Access
3	Automatic Route Selection TOD Routing	Call Forwarding Does Not Answer	CF on 2nd Number
4	Call Park	Call Hold	CFB/DA Split
5	Call Transfer Individual All Calls	Call Pick-Up Groups	Music on Queue UCD
6	Call Waiting Terminating All Calls	Speed Calling Short List	Add on Module
7	Calling Name Display	Trunk Answer Any Line	ARS Pattern
8	Circular Hunting	Last Number Dialed	Feature Display
9	Dial Call Waiting	Directed Call Pick Up W/O Barge-In	Malicious Call Hold
10	Directed Call Pick Up Barge-In	Privacy Release	Code Restriction
11	Executive Busy Override	Calling Number Display	
12	ARS Expansive Route Warning Tone	Multiple Appear Directory Number	
13	Music on Hold	Multiple Call Arrangement	
14	Network Speed Calling (DMS Only)	Single Call Arrangement	
15	Series Hunting	Call Back Queing	
16	Speed Calling Long List	Automatic Answer Back	
17	Time of Day Network Class of Service Routing	Automatic Call Back	
18	Uniform Call Distribution	Automatic Line (Hot Line)	
19	1010XXX + 1 Blocking		
20	All Call Blocking		
21	Billed Number Screening		
22	Blocking of Pay-Per-Call services		
23	Call Forward/Busy		
24	Call Forward/Don't Answer		
25	Call Forward/Variable		
26	Call Park - Directed Call Park		
27	Call Waiting		
28	Custom Ringing (Ringmate)		
29	International Direct Dialing Blocking		
30	Limited InterLATA Dialing		
31	Line Side Answer Supervision		
32	One Way Restore		
33	One way Service (Incoming Only)		
34	Outward Call Screening		
35	Per-Call Blocking		
36	Speed Calling		
37	Subscriber Activated Call Blocking		
38	Suspend and Restore		
39	Add-On Consultation Hold		
40	Bridging		
41	Call Forwarding		
42	Call Forwarding Busy		
43	Call Forwarding Busy Don't Answer		
44	Call Forwarding Busy Incoming		
45	Call Forwarding Don't Answer Incoming Only		
46	Call Forwarding Incoming Only		
47	Call Forwarding Intra Group Only		
48	Call Transfer Individual - All Calls		
49	Call Transfer Internal		
50	Call Transfer Internal Individual Incoming Only		
51	Calling Number Delivery		
52	Calling Number Delivery - Blocking		
53	Circular Hunting		
54	Feature Display		
55	Multiline Hunting		
56	Series Completion		
57	Short Hunt		
58	Time and Date Display		
59	Voice/Data Protection		
60	Call By Call Service Selection		

Part C-3 Section Index

Section

Switching

- 1 Switch Usage For Reciprocal Compensation (per MOU)

Trunks

- 2 Common Trunk For Reciprocal Compensation (per MOU)

Transport

- 3 Common Transport For Reciprocal Compensation (Separate File)

Supporting Workpapers

- 4 SCIS End Office Results
- 5 SCIS Tandem Office Results
- 6 Non-Conversation Time Adjustments
- 7 Busy Hour to Annual Ratio

should not

<i>Input</i>	<i>Reference</i>	<i>Value</i>
Digital Switch EFI Factor	VCOST	0.402700
Power Factor	VCOST	0.058600
Digital Switch ACF	VCOST	0.318264
Land Factor	VCOST	0.003000
Land ACF	VCOST	0.281083
Building Factor	VCOST	0.074900
Building ACF	VCOST	0.410755
Common Overhead Factor	VCOST	0.080300
Gross Revenue Loading Factor	VCOST	0.002707
Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
Fixed Monthly Cost of DS-1 Transport	Part D-6	\$ 46.42
Variable Monthly Cost of DS-1 Transport, per Mile	Part D-6	\$ 1.41
Office to Tandem Miles	V & H Calculated	16.03
Umbilical to Host Miles	V & H Calculated	9.94
Hosts	SCIS INPUT STATISTICS	133
Tandems	SCIS INPUT STATISTICS	9
SS7 Cost per MOU	Part E	\$ 0.000052

RECALCULATED VZ-MA STUDY WITH CORRECTED DEFRAGMENTED DATABASE;
CORRECTED 5ESS IDLC PORT INVESTMENT; AND VZ-MA CORRECTIONS TO TRUNK MOU
AND CORRECTED 5ESS DISCOUNTS

Summary

Reciprocal Compensation Elements

	End Office	Tandem
Switching (avg)	0.000708	0.000065
Switching - Orig	N/A	
Switching - Term	0.000658	
Common Trunk	0.000455	0.000323

VZ As Filed

Switching (avg)	0.0011295	0.0001317
Switching - Orig	N/A	
Switching - Term	0.0010505	
Common Trunk	0.000705	0.0005717

Difference

Switching (avg)	-37.36%	-50.45%
Switching - Orig	N/A	
Switching - Term	-37.36%	
Common Trunk	-35.42%	-43.51%

Switch Usage For Reciprocal Compensation
VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
End Office			
1	Originating End Office Usage	N/A	N/A
2	Terminating End Office Usage	WP: Part C-3, Sec 1, Pg 1, L36	\$0.000658
Tandem			
3	Tandem Usage	WP: Part C-3, Sec 1, Pg 2, L29	\$0.000065

Local Switch Usage For Reciprocal Compensation

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	C
1	TS Direct Material Investment	WP Part C-3, Sec 4, Pg 1, L25	\$81,077,002
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-3, Sec 4, Pg 2, L12	26,012,508
3	Material Investment per BH MOU	L1/L2	\$3.11685
4	Digital Switch EFI Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1,255,154
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0,256,199
8	Total In-Place Investment	L3+L5+L7	\$4,628,200
9	Digital Switch ACF	VCOST	0.318263529
10	Annual Digital Switch Cost	L8 x L9	\$1,472,987
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0,013,885
13	Land ACF	VCOST	0.281083327
14	Annual Land Cost	L12 x L13	\$0,003,903
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0,346,652
17	Building ACF	VCOST	0.410755193
18	Annual Building Cost	L16 x L17	\$0,142,389
19	RTU per MOU	N/A	\$0.000000
20	Total TELRIC Annual Cost	(L10+L14+L18+L19)	\$1,519,279
21	Common Overhead Factor	VCOST	0.0803
22	Common Overhead Annual Cost	L20 x L21	\$0,130,028
23	Gross Revenue Loading Factor	VCOST	0.0027073
24	Gross Revenue Annual Cost	(L20+L22) x L23	\$0,004,736
25	Umbilical Cost per BH MOU	WP Part C-3, Sec 4, Pg 3, L12	\$ 0.026238
26	Total Cost per BH MOU	L20+L22+L24+L25	\$1.78
27	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
28	Cost per AHD MOU	L26*L27	\$0.000589
29	Non Conversation Time Adjustment	WP Part C-3, Sec 6, Pg 1, L16	1.113
30	Total Switching Cost per MOU	L28*L29	\$0.000656
31	SS7 cost per MOU	Part E	\$0.000052
32	Total Cost per Mou	L30 + L31	\$0.000708
33	Originating to Average Ratio	N/A	N/A
34	Originating MOU	N/A	N/A
35	Terminating to Average Ratio	Service Costs	0.930000
36	Terminating MOU	L32*L35	\$0.000658

Tandem Switch Usage For Reciprocal Compensation

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	TANDEM C
1	TS Direct Material Investment	WP Part C-3, Sec 5, Pg 1, L10	\$6,600,648.00
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-3, Sec 5, Pg 2, L3	18,818,027
3	Material Investment per BH MOU	L1/L2	\$0.35076
4	Digital Switch EFI Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$0.141252
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.028832
8	Total In-Place Investment	L3+L5+L7	\$0.520846
9	Digital Switch ACF	VCOST	0.318263529
10	Annual Digital Switch Cost	L8 x L9	\$0.165766
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.001563
13	Land ACF	VCOST	0.281083327
14	Annual Land Cost	L12 x L13	\$0.000439
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.039011
17	Building ACF	VCOST	0.410755193
18	Annual Building Cost	L16 x L17	\$0.01602
19	RTU per MOU	N/A	\$0.000000
20	Total TELRIC Annual Cost	(L10+L14+L18+L19)	\$0.182230
21	Common Overhead Factor	VCOST	0.0803
22	Common Overhead Annual Cost	L20 x L21	\$0.014633
23	Gross Revenue Loading Factor	VCOST	0.0027073
24	Gross Revenue Annual Cost	(L20+L22) x L23	\$0.000533
25	Total Switching Cost per BH MOU	L20+L22+L24	\$0.20
26	SS7 cost per MOU	Part E	\$0.000052
27	Total Tandem Cost per BH MOU	L25 + L26	\$0.20
28	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
29	Cost per AHD MOU	L26*L27	\$0.000065

Common Trunk For Reciprocal Compensation
VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
End Office			
1	Common End Office Trunk	WP: Part C-3, Sec 2, Pg 1, L6	\$0.000455
Tandem			
2	Common Tandem Trunk	WP: Part C-3, Sec 2, Pg 2, L6	\$0.000323

Common End Office Trunk For Reciprocal Compensation

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	VALUE C
1	Monthly Cost - End Office Trunk (DS-0)	(Exh Part C-1 Sec 5 Page 1) / 24	\$ 2.94
2	BH MOU per Trunk	WP Part 3-2, Sec 4, Pg 2, L18	25.63
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
4	Annual MOU	L2/L3	77,521.41
5	Monthly MOU	L4/12	6,460.12
6	Cost per MOU	L1/L5	\$ 0.000455

Common Tandem Trunk For Reciprocal Compensation

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	VALUE C
1	Monthly Cost - Tandem Trunk (DS-0)	(Exh Part C-1, Sec 6, Page 1, L4) / 24	\$2.32
2	Tandem BH MOU per Trunk	WP Part C-3, Sec 5, Pg 2, L3D	28.48
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
4	Annual MOU	L2/L3	86,131
5	Monthly MOU	L4/12	7,177.57
6	Cost per MOU	L1/L5	\$ 0.000323

SCIS End Office Direct Material Investment

VERIZON - MASSACHUSETTS

Line #	SCIS Non ISDN:	A 5 ESS	B DMS	C Meld
1.	Getting Started	0	0	0
2.	SM 2000 EPHC	17646109		17646109
3.	Line Term. A+C+D	84059244	59616910	143676154
4.	LINE CCS	24975237	23646433	48621670
5.	Term Call	0	0	0
6.	Trunk CCS	19328519	24045548	43374067
7.	SS7 Link	360475	1693509	2053984
8.	UMBILICAL TRUNK CCS		1,734,901	1734901
9.	-----	\$ 146,369,584	\$ 110,737,301	\$ 257,106,885
	(Sum L1 to L8)			
SCIS ISDN Investments:				
10.	SM 2000 Real Time EPHC	3267350		3267350
11.	BRI - U Card	644240	2980920	3625160
12.	ISDN LINE CCS	1968581	521621	2490202
13.	PRI D CHANNEL	802599	440496	1243095
14.	PRI B CHANNEL	2839891	5079210	7919101
15.	D CH. ACC. PPS	2167388	715082	2882470
16.	PPB CH. ACCESS PPS		486415	486415
17.	INTER-SWITCH PPS	369180	163329	532509
18.	XAT PPS	10408		10408
19.	ADD'L BRI PPB CH.		794180	794180
20.	ADD'L D CH. TERM.		423746	423746
21.	ADD'L XAT Channel	133058		133058
22.	-----	\$ 12,202,695	\$ 11,604,999	\$ 23,807,694
	(Sum L10 to L21)			
23.	Total Local Switch - SCIS (L9 + L22)	\$ 158,572,279	\$ 122,342,300	\$ 280,914,579
24.	Total NTS (L3 + L6 + L11 + L13 + L14)	\$ 107,674,493	\$ 92,163,084	\$ 199,837,577
25.	Total TS (Usage) (L23 - L24)	\$ 50,897,786	\$ 30,179,216	\$ 81,077,002

End Office Minutes of Use

VERIZON - MASSACHUSETTS

	A	B	C	
Line	Number of Lines	Zone 1A CCS per Line	TOTAL CCS	
A. End Office Lines:				
5ESS CCS:				
1	POTS Lines	2562505	3.72	9532519
2	ISDN BRI Lines	52568	8.98	472061
3	POTS Lines on ISDN Interface			0
4	5ESS CCS TOTAL			10,004,579
5	5ESS MOU TOTAL (= CCS * 100 / 60)			16,674,299
DMS-100 CCS:				
Number of Lines				
CCS per Line				
TOTAL CCS				
6	POTS Lines	1922925	3.79	7287886
7	ISDN BRI Lines	13601	9.31	126625
8	POTS Lines on ISDN Interface			0
9	DMS-100 CCS TOTAL			7,414,511
10	DMS-100 MOU TOTAL (= CCS * 100 / 60)			12,357,518
Total				
11	5ESS & DMS-100 CCS			17,419,090
12	5ESS & DMS-100 MOU at Midpoint of Planning Cycle (= CCS * 100 / 60)*0.896)			26,012,508
13	Annual to Busy Hour Ratio		0.000331	
14	Annual MOUs	(=BH MOU/ABHR)		78,664,331,970
B. End Office Trunks:				
15	5ESS	482733	15.88	7,665,800
16	DMS-100	290112	14.55	4,221,130
17	Digital Trunk CCS /Trunk		15.38	11,886,930
18	Digital Trunk MOU at Midpoint of Planning Cycle		25.63	19,058,711

Notes: 1. MOU = Minutes of Use
2. CCS = Hundred Call Seconds

Umbilical Costs

VERIZON - MASSACHUSETTS

	A	B	C	D
		Monthly	Avg. Miles	-----
L1	-----			196
L2	-----	\$ 46.42		\$9,098
L3	-----	\$ 1.41	9.94	\$2,749
L4	-----			\$11,847
		Monthly	Avg. Miles	-----
L5	-----			745
L6	-----	\$ 46.42		\$34,581
L7	-----	\$ 1.41	9.94	\$10,448
L8	-----			\$45,029
L9	-----		L4D + L8D	\$56,876
L10	-----		L9 * 12	\$682,513
L11	-----	WP Part 2,Sec 4,L12C		26,012,508
L12	-----		L10 / L11	\$0.026238

Tandem Switch Direct Investment

VERIZON - MASSACHUSETTS

Line #		ACCESS TANDEMS		TOTAL
		5 ESS	DMS-200	
SCIS RESULTS:				
(Lines 1 to 8)				
1.	Getting Started	0	0	0
2.	SM 2000 EPHC	6,413,573		
3.	A+C			
4.	LINE CCS			
5.	Term Call			
6.	Tdm Trunk CCS	22,900,677	8,074,635	30,975,312
7.	SS7 Link	35,540	151,535	187,075
8.	-----	29,349,790	8,226,170	37,575,960
(Sum L1 to L7)				
				0
9.	Total NTS (L3 + L6)	\$ 22,900,677	\$ 8,074,635	30,975,312
10.	Total TS (Usage) (L8 - L9)	\$ 6,449,113	\$ 151,535	6,600,648

Tandem Minutes of Use

VERIZON - MASSACHUSETTS

Line	A	B	C	D	E	F
		No. Digital Trunks	BH CCS / Trunk	BH MOU / Trunk (C * 100/60)	Total BH CCS (B * C)	Planning point (B * D * 0.896)
	Tandems					
1	5ESS	547,710	17.74	29.57	9,716,375	15,578,589
2	DMS	113,000	17.88	29.80	2,020,440	3,239,439
3	TOTAL	660,710		28.48		18,818,027

Non-Conversation Time Adjustments

VERIZON - MASSACHUSETTS

LINE#	ITEM A	SOURCE B	5ESS C	DMS D
1	Average BH CCS per Main Station - Analog Lines	SCIS Input Statistics	3.720	3.790
2	Average BH Calls per Main Station - Analog Lines	SCIS Input Statistics	2.360	2.180
3	Average Holding Time (in sec) per BH Call - Analog Lines	L1/L2*100	157.627	173.853
4	Average BH CCS per Main Station - Digital Lines	SCIS Input Statistics	3.720	3.790
5	Average BH Calls per Main Station - Digital Lines	SCIS Input Statistics	2.360	2.180
6	Average Holding Time (in sec) per BH Call - Digital Lines	L4/L5	157.627	173.853
7	Analog Lines	SCIS Input Statistics	1921950	1442194
8	Digital Lines	SCIS Input Statistics	640555	480731
9	Percent Analog Lines	L7/ (L7C-D+L8C-D)	42.85%	32.15%
10	Percent Digital Lines	L8/ (L7C-D +L8C-D)	14.28%	10.72%
11	Weighted Average Holding Time by Technology	L3*L9 + L6*L10	90.052	74.532
12	Weighted Average Holding Time	L11C+L11D+L11E	164.583	
13	NCT per Attempt	Call Setup Analysis	13.36	
14	Completion Ratio	Call Setup Analysis	0.715	
15	Total NCT per Call	L13 / L14	18.679	
16	NCT Adjustment Factor	(L12 + L15)/L12	1.113	

Busy Hour to Annual Conversion Factor

VERIZON - MASSACHUSETTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Number of days in a year	calendar	365
2	Number of Saturdays and Sundays	2*52weeks	104
3	Number of Holidays	calendar	10
4	Number of Average Business Days (ABD)	L1-L2-L3	251
5	Busy Hour (BH) to All Hours of Day (AHD)	Service Costs	0.083
6	Busy Hour to Annual Conversion Factor	L5/L4	0.000331

Part C-1 Section Index

Section	<i>Ports</i>
1	Analog Line Port
2	Line Port
3	Analog Coin Port
4	Coin Port
5	End Office Trunk Port
5.1	Integrated Digital Loop Carrier Port
5.2	DS-1 Line Port
6	Tandem Trunk Port
6.1	TOPS Trunk Port
7	ISDN BRI Port
8	ISDN PRI Port

Centrex Features

9	Centrex Intercom (per Centrex Line)
10	Centrex Announcement (per Centrex Line)
11	3-Way Conference (per Centrex Line)
12	Automatic Callback (per Centrex Line)
13	Distinctive Ringing (per Centrex Line)
14	Loudspeaker Paging (per Trunk)
15	Meet-Me Conference (per Group)
16	Selective Call Acceptance (per Centrex Line)
17	Selective Call Forwarding (per Centrex Line)
18	Selective Call Rejection (per Centrex Line)
19	Six Way Conference (per Centrex Line)
20	Station Message Detail Record to Premise (per Group)

Part C-1 Section Index

Section *Individual Line Features*

- 21 Three-way Calling (per Line)
- 22 Remote Call Forwarding (per Line)
- 23 Calling Number Delivery (per Line)
- 24 Calling Number and Name Delivery (per Line)
- 25 Call Waiting Display Number (per Line)
- 26 Call Waiting Display Name (per Line)
- 27 Anonymous Call Rejection (per Line)
- 28 Automatic Recall (Call Return) (per Line)

ISDN Features

- 29 Circuit Switched Voice Intercom (ISDN) (per Terminal)
- 30 Circuit Switched Voice (ISDN) - Announcement (per Terminal)
- 31 Six-way Conference Calling (ISDN) (per Terminal)
- 32 Three-way Calling (ISDN) (per Terminal)
- 33 Calling Number Delivery (ISDN) (per Directory Number)
- 34 Calling Name Delivery (ISDN) (per PRI)

Misc. Features

- 35 Not Used
- 36 Not Used
- 37 Simplified Message Desk Interface (SMDI)

Supporting Workpapers

- 38 Utilization Adjustment Factors
- 39 Switch Material Investments
- 40 Coin Port Differential

RECALCULATED VZ-MA STUDY WITH CORRECTED DEFRAGMENTED DATABASE;
CORRECTED 5ESS IDLC PORT INVESTMENT; AND VZ-MA CORRECTIONS TO TRUNK MOD
AND CORRECTED 5ESS DISCOUNT

Section		Corrected VZ-as File			Difference
	Ports				
1	Analog Line Port	\$ 1.69	\$ 2.53		-33%
2	Weighted Line Port	\$ 1.58	\$ 2.57		-38%
3	Analog Coin Port	\$ 2.06	\$ 2.92		-29%
4	Weighted Coin Port	\$ 1.88	\$ 2.88		-35%
5	End Office Trunk Port	\$ 70.59	\$ 105.12		-33%
5.1	Integrated Digital Loop Carrier Port	\$ 76.82	\$ 247.10		-69%
5.2	DS-1 Line Port	\$ 19.21	\$ 61.77		-69%
6	Tandem Trunk Port	\$ 55.63	\$ 98.48		-44%
6.1	TOPS Trunk Port	\$ 84.79	\$ 84.79		0%
7	ISDN BRI Port	\$ 7.03	\$ 11.71		-40%
8	ISDN PRI Port	\$ 71.88	\$ 101.65		-29%
	Centrex Features				
9	CTX Intercom	\$ 0.37	\$ 0.58		-36%
10	CTX Announcement	\$ 0.31	\$ 0.48		-35%
11	3-Way Conference (CTX)	\$ 0.15	\$ 0.22		-35%
12	Automatic Callback (CTX)	\$ 0.13	\$ 0.19		-35%
13	Distinctive Ringing (CTX)	\$ 0.01	\$ 0.02		-35%
14	Loudspeaker Paging (CTX)	\$ 4.28	\$ 6.55		-35%
15	Meet-Me Conference (CTX)	\$ 0.13	\$ 0.13		0%
16	Selective Call Acceptance (CTX)	\$ 0.02	\$ 0.03		-34%
17	Selective Call Forwarding (CTX)	\$ 0.01	\$ 0.01		-32%
18	Selective Call Rejection (CTX)	\$ 0.11	\$ 0.17		-34%
19	Six Way Conference (CTX)	\$ 0.56	\$ 0.86		-35%
20	Station Message Detail Record to Premise (CTX)	\$ 12.77	\$ 12.77		0%
	Individual Line Features				
21	Three-way Calling	\$ 0.15	\$ 0.22		-35%
22	Remote Call Forwarding	\$ 0.92	\$ 1.41		-35%
23	Calling Number Delivery	\$ 0.13	\$ 0.19		-35%
24	Calling Number and Name Delivery	\$ 0.17	\$ 0.24		-28%
25	Call Waiting Display Number	\$ 0.13	\$ 0.19		-35%
26	Call Waiting Display Name	\$ 0.13	\$ 0.19		-35%
27	Anonymous Call Rejection	\$ 0.02	\$ 0.03		-35%
28	Automatic Recall (Call Return)	\$ 0.13	\$ 0.20		-35%
	ISDN Features				
29	Circuit Switched Voice (ISDN)	\$ 8.88	\$ 13.82		-36%
30	ISDN Announcement	\$ 3.97	\$ 6.07		-35%
31	Six-way Conference Calling (ISDN)	\$ 0.34	\$ 0.52		-35%
32	Three-way Calling (ISDN)	\$ 0.15	\$ 0.22		-35%
33	Calling Number Delivery (ISDN)	\$ -	\$ -		
34	Calling Name Delivery (ISDN)	\$ 1.11	\$ 1.11		0%
	Misc.				
35	Not Used				
36	Not Used				
37	Simplified Message Desk Interface (SMDI)	\$ 187.29	\$ 193.99		-3%

Analog Line Port
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 1, Pg 1, L19	\$1.5585
2	Common Overhead	WP: Part C-1, Sec 1, Pg 1, L21	\$0.1251
3	Gross Revenue Loading	WP: Part C-1, Sec 1, Pg 1, L23	\$0.0046
4	Total Monthly Cost	L1 + L2 + L3	\$1.6882

Analog Line Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 1, L 1.3	\$35.2373
2	Analog Line Utilization Adjustment	WP Part C-1, Sect 38, Pg 2, L3	0.978883
3	Adjusted Material Investment	L1/L2	\$35.9975
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$14.4962
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$2.9589
8	Total In-Place Investment	L3+L5+L7	\$53.4526
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$17.0120
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.1604
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0451
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$4.0036
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$1.6445
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$1.5585
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.1251
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0046
24	Total Monthly Cost	L19+L21+L23	\$1.6882

Line Port
VERIZON - MASSACHUSETTS
SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 2, Pg 1, L19	\$1.4594
2	Common Overhead	WP: Part C-1, Sec 2, Pg 1, L21	\$0.1172
3	Gross Revenue Loading	WP: Part C-1, Sec 2, Pg 1, L23	\$0.0043
4	Total Monthly Cost	L1 + L2 + L3	\$1.5809

Line Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 1, L 2.3	\$31.9985
2	Line Utilization Adjustment	WP Part C-1, Sect 38, Pg 3, L3	0.949223
3	Adjusted Material Investment	L1/L2	\$33.7102
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$13.5751
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$2.7709
8	Total In-Place Investment	L3+L5+L7	\$50.0562
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$15.9311
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.1502
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0422
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$3.7492
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$1.5400
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$1.4594
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.1172
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0043
24	Total Monthly Cost	L19+L21+L23	\$1.5809

Analog Coin Port
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 3, Pg 1, L19	\$1.9010
2	Common Overhead	WP: Part C-1, Sec 3, Pg 1, L21	\$0.1527
3	Gross Revenue Loading	WP: Part C-1, Sec 3, Pg 1, L23	\$0.0056
4	Total Monthly Cost	L1 + L2 + L3	\$2.0592

Analog Coin Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 1, L 3.7	42.9824
2	Analog Line Utilization Adjustment	WP Part C-1, Sect 38, Pg 2, L3	0.978883
3	Adjusted Material Investment	L1/L2	\$43.9097
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$17.6824
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$3.6093
8	Total In-Place Investment	L3+L5+L7	\$65.2014
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$20.7512
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.1956
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0550
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$4.8836
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$2.0060
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$1.9010
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.1527
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0056
24	Total Monthly Cost	L19+L21+L23	\$2.0592

Coin Port
VERIZON - MASSACHUSETTS
SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 4, Pg 1, L19	\$1.7313
2	Common Overhead	WP: Part C-1, Sec 4, Pg 1, L21	\$0.1390
3	Gross Revenue Loading	WP: Part C-1, Sec 4, Pg 1, L23	\$0.0051
4	Total Monthly Cost	L1 + L2 + L3	\$1.8754

Coin Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 1, L 4.7	\$37.9585
2	Line Utilization Adjustment	WP Part C-1, Sect 38, Pg 3, L3	0.949223
3	Adjusted Material Investment	L1/L2	\$39.9890
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$16.1036
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$3.2870
8	Total In-Place Investment	L3+L5+L7	\$59.3797
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$18.8984
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.1781
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0501
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$4.4475
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$1.8268
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$1.7313
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.1390
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0051
24	Total Monthly Cost	L19+L21+L23	\$1.8754

End Office Trunk Port
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 5, Pg 1, L19	\$65.1647
2	Common Overhead	WP: Part C-1, Sec 5, Pg 1, L21	\$5.2327
3	Gross Revenue Loading	WP: Part C-1, Sec 5, Pg 1, L23	\$0.1906
4	Total Monthly Cost	L1 + L2 + L3	\$70.5880

End Office Trunk Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 1, L 5.4	\$1,419.0319
2	Digital Trunk Utilization Adjustment	WP Part C-1, Sect 38, Pg 4, L5	0.942768
3	Adjusted Material Investment	L1/L2	\$1,505.1754
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$606.1341
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$123.7227
8	Total In-Place Investment	L3+L5+L7	\$2,235.0323
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$711.3293
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$6.7051
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$1.8847
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$167.4039
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$68.7620
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$65.1647
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$5.2327
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.1906
24	Total Monthly Cost	L19+L21+L23	\$70.5880

Integrated Digital Loop Carrier Port
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 5A, Pg 1, L19	\$70.9194
2	Common Overhead	WP: Part C-1, Sec 5A, Pg 1, L21	\$5.6948
3	Gross Revenue Loading	WP: Part C-1, Sec 5A, Pg 1, L23	\$0.2074
4	Total Monthly Cost	L1 + L2 + L3	\$76.8216

Integrated Digital Loop Carrier Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 4, L 35.5	\$1,544.3473
2	Digital Trunk Utilization Adjustment	WP Part C-1, Sect 38, Pg 4, L5	0.942768
3	Adjusted Material Investment	L1/L2	\$1,638.0981
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$659.6621
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$134.6487
8	Total In-Place Investment	L3+L5+L7	\$2,432.4089
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$774.1470
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$7.2972
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$2.0511
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$182.1874
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$74.8344
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$70.9194
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$5.6948
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.2074
24	Total Monthly Cost	L19+L21+L23	\$76.8216

DS-1 Line Port
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 5.2, Pg 1, L19	\$17.7298
2	Common Overhead	WP: Part C-1, Sec 5.2, Pg 1, L21	\$1.4237
3	Gross Revenue Loading	WP: Part C-1, Sec 5.2, Pg 1, L23	\$0.0519
4	Total Monthly Cost	L1 + L2 + L3	\$19.2054

DS-1 Line Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 4, L 35.4	\$386.0868
2	Digital Trunk Utilization Adjustment	WP Part C-1, Sect 38, Pg 4, L5	0.942768
3	Adjusted Material Investment	L1/L2	\$409.5245
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$164.9155
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$33.6622
8	Total In-Place Investment	L3+L5+L7	\$608.1022
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$193.5368
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$1.8243
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.5128
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$45.5469
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$18.7086
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$17.7298
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$1.4237
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0519
24	Total Monthly Cost	L19+L21+L23	\$19.2054

Tandem Trunk Port
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 6, Pg 1, L19	\$51.3553
2	Common Overhead	WP: Part C-1, Sec 6, Pg 1, L21	\$4.1238
3	Gross Revenue Loading	WP: Part C-1, Sec 6, Pg 1, L23	\$0.1502
4	Total Monthly Cost	L1 + L2 + L3	\$55.6293

Tandem Trunk Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 5, L 1.4	\$1,125.1645
2	Tandem Trunk Utilization Adjustment	WP Part C-1, Sect 38, Pg 4, L6	0.948541
3	Adjusted Material Investment	L1/L2	\$1,186.2052
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$477.6848
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$97.5040
8	Total In-Place Investment	L3+L5+L7	\$1,761.3940
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$560.5875
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$5.2842
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$1.4853
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$131.9284
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$54.1903
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$51.3553
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$4.1238
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.1502
24	Total Monthly Cost	L19+L21+L23	\$55.6293

TOPS Trunk Port
VERIZON - MASSACHUSETTS
SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 6.1, Pg 1, L19	\$78.2753
2	Common Overhead	WP: Part C-1, Sec 6.1, Pg 1, L21	\$6.2855
3	Gross Revenue Loading	WP: Part C-1, Sec 6.1, Pg 1, L23	\$0.2289
4	Total Monthly Cost	L1 + L2 + L3	\$84.7897

TOPS Trunk Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 5, L 2.4	\$1,714.9668
2	DMS Tandem Trk Utilization Adjust.	WP Part C-1, Sect 38, Pg 4, L4	0.948541
3	Adjusted Material Investment	L1/L2	\$1,808.0045
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$728.0834
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$148.6147
8	Total In-Place Investment	L3+L5+L7	\$2,684.7026
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$854.4429
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$8.0541
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$2.2639
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$201.0842
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$82.5964
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$78.2753
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$6.2855
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.2289
24	Total Monthly Cost	L19+L21+L23	\$84.7897

ISDN BRI Port
VERIZON - MASSACHUSETTS
SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 7, Pg 1, L19	\$6.4933
2	Common Overhead	WP: Part C-1, Sec 7, Pg 1, L21	\$0.5214
3	Gross Revenue Loading	WP: Part C-1, Sec 7, Pg 1, L23	\$0.0190
4	Total Monthly Cost	L1 + L2 + L3	\$7.0337

ISDN BRI Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 1, L 6.3	\$142.3672
2	Line Utilization Adjustment	WP Part C-1, Sect 38, Pg 3, L3	0.949223
3	Adjusted Material Investment	L1/L2	\$149.9828
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$60.3981
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$12.3283
8	Total In-Place Investment	L3+L5+L7	\$222.7092
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$70.8802
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.6681
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.1878
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$16.6809
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$6.8518
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$6.4933
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.5214
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0190
24	Total Monthly Cost	L19+L21+L23	\$7.0337

ISDN PRI Port
VERIZON - MASSACHUSETTS
SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 8, Pg 1, L19	\$66.3532
2	Common Overhead	WP: Part C-1, Sec 8, Pg 1, L21	\$5.3282
3	Gross Revenue Loading	WP: Part C-1, Sec 8, Pg 1, L23	\$0.1941
4	Total Monthly Cost	L1 + L2 + L3	\$71.8754

ISDN PRI Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 1, L7.7F	\$1,444.9134
2	Digital Trunk Utilization Adjustment	WP Part C-1, Sect 38, Pg 4, L5	0.942768
3	Adjusted Material Investment	L1/L2	\$1,532.6280
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$617.1893
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$125.9793
8	Total In-Place Investment	L3+L5+L7	\$2,275.7966
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$724.3031
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$6.8274
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$1.9191
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$170.4572
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$70.0162
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$66.3532
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$5.3282
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.1941
24	Total Monthly Cost	L19+L21+L23	\$71.8754

Centrex Intercom (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	Total Monthly Cost	WP: Part C-1, Sec 9, Pg 1, L9	\$0.3701

Centrex Intercom (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	BH Intragroup CCS per Line	Product Management	0.5
2	BH Intragroup MOU per Line	L1 x 100 / 60	0.8
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 8 Pg 1, L6	0.000331
4	Annual Intragroup MOU	L2 / L3	2,520.08
5	Monthly Intragroup MOU	L4 / 12	210.01
6	UNE End Office Orig. Usage Rate	Exh Part C-2, Sect 1, Pg 1, L1	0.001877
7	UNE End Office Term. Usage Rate	Exh Part C-2, Sect 1, Pg 1, L2	0.001647
8	UNE End Office Average Usage Rate	(L6 + L7) / 2	\$0.001762
9	Monthly Intercom Costs per Line	L5 x L8	\$0.370065

Centrex Announcement (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 10, Pg 1, L19	\$0.2893
2	Common Overhead	WP: Part C-1, Sec 10, Pg 1, L21	\$0.0232
3	Gross Revenue Loading	WP: Part C-1, Sec 10, Pg 1, L23	\$0.0008
4	Total Monthly Cost	L1 + L2 + L3	\$0.3134

Centrex Announcement (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment Per Group	WP: Part C-1, Sec 39, Pg 2, L 10	\$167.0564
2	Lines per Group	Product Management	25
3	Material Investment Per Line	L1/L2	\$6.6823
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$2.6909
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.5493
8	Total In-Place Investment	L3+L5+L7	\$9.9225
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$3.1580
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0298
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0084
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.7432
17	Building ACF	VCOST	0.410755193
18	Annual Building Cost	L16 x L17	\$0.3053
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.2893
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0232
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0008
24	Total Monthly Cost	L19+L21+L23	\$0.3134

3-Way Conference (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 11, Pg 1, L19	\$0.1348
2	Common Overhead	WP: Part C-1, Sec 11, Pg 1, L21	\$0.0108
3	Gross Revenue Loading	WP: Part C-1, Sec 11, Pg 1, L23	\$0.0004
4	Total Monthly Cost	L1 + L2 + L3	\$0.1461

3-Way Conference (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 11	\$3.1145
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$3.1145
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.2542
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.2560
8	Total In-Place Investment	L3+L5+L7	\$4.6247
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.4719
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0139
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0039
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.3464
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1423
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1348
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0108
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0004
24	Total Monthly Cost	L19+L21+L23	\$0.1461

Automatic Callback (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 12, Pg 1, L19	\$0.1161
2	Common Overhead	WP: Part C-1, Sec 12, Pg 1, L21	\$0.0093
3	Gross Revenue Loading	WP: Part C-1, Sec 12, Pg 1, L23	\$0.0003
4	Total Monthly Cost	L1 + L2 + L3	\$0.1258

Automatic Callback (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 12	\$2.6824
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$2.6824
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.0802
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.2205
8	Total In-Place Investment	L3+L5+L7	\$3.9831
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.2677
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0119
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0034
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.2983
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1225
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1161
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0093
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0003
24	Total Monthly Cost	L19+L21+L23	\$0.1258

Distinctive Ringing (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 13, Pg 1, L19	\$0.0123
2	Common Overhead	WP: Part C-1, Sec 13, Pg 1, L21	\$0.0010
3	Gross Revenue Loading	WP: Part C-1, Sec 13, Pg 1, L23	\$0.0000
4	Total Monthly Cost	L1 + L2 + L3	\$0.0134

Distinctive Ringing (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 13	\$0.2849
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$0.2849
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$0.1147
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.0234
8	Total In-Place Investment	L3+L5+L7	\$0.4231
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$0.1347
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0013
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0004
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.0317
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.0130
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.0123
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0010
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0000
24	Total Monthly Cost	L19+L21+L23	\$0.0134

Loudspeaker Paging (per Trunk)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 14, Pg 1, L19	\$3.9530
2	Common Overhead	WP: Part C-1, Sec 14, Pg 1, L21	\$0.3174
3	Gross Revenue Loading	WP: Part C-1, Sec 14, Pg 1, L23	\$0.0116
4	Total Monthly Cost	L1 + L2 + L3	\$4.2820

Loudspeaker Paging (per Trunk)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 14	\$91.3058
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$91.3058
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$36.7689
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$7.5052
8	Total In-Place Investment	L3+L5+L7	\$135.5798
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$43.1501
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.4067
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.1143
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$10.1549
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$4.1712
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$3.9530
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.3174
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0116
24	Total Monthly Cost	L19+L21+L23	\$4.2820

Meet-Me Conference (per Group)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 15, Pg 1, L19	\$0.1183
2	Common Overhead	WP: Part C-1, Sec 15, Pg 1, L21	\$0.0095
3	Gross Revenue Loading	WP: Part C-1, Sec 15, Pg 1, L23	\$0.0003
4	Total Monthly Cost	L1 + L2 + L3	\$0.1281

Meet-Me Conference (per Group)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 15	\$2.7317
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$2.7317
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.1000
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.2245
8	Total In-Place Investment	L3+L5+L7	\$4.0563
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.2910
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0122
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0034
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.3038
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1248
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1183
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0095
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0003
24	Total Monthly Cost	L19+L21+L23	\$0.1281

Selective Call Acceptance (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 16, Pg 1, L19	\$0.0148
2	Common Overhead	WP: Part C-1, Sec 16, Pg 1, L21	\$0.0012
3	Gross Revenue Loading	WP: Part C-1, Sec 16, Pg 1, L23	\$0.0000
4	LIDB	WP: Part C-1, Sec 16, Pg 1, L24	\$0.0007
5	Total Monthly Cost	L1 + L2 + L3	\$0.0167

Selective Call Acceptance (per Centrex Line)

BELL ATLANTIC - NEW YORK

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 16	\$0.3424
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$0.3424
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$0.1379
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.0281
8	Total In-Place Investment	L3+L5+L7	\$0.5084
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$0.1618
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0015
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0004
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.0381
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.0156
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.0148
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0012
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0000
24	Total Monthly LIDB Cost	WP Part C-1, Sect 16, Pg 2, L4	\$0.0007
25	Total Monthly Cost	L19+L21+L23+L24	\$0.0167

Selective Call Acceptance (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Average # of LIDB Queries per Month	Product Management	2
2	LIDB Cost per Query	Part E	0.000104
3	SS7 Transport per LIDB Message	Part E	0.000223
4	Total Monthly LIDB Cost	(L2 + L3) * L1	\$0.0007

Selective Call Forwarding (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 17, Pg 1, L19	\$0.0059
2	Common Overhead	WP: Part C-1, Sec 17, Pg 1, L21	\$0.0005
3	Gross Revenue Loading	WP: Part C-1, Sec 17, Pg 1, L23	\$0.0000
4	LIDB	WP: Part C-1, Sec 17, Pg 1, L24	\$0.0007
5	Total Monthly Cost	L1 + L2 + L3	\$0.0070

Selective Call Forwarding (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 17	\$0.1362
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$0.1362
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$0.0548
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.0112
8	Total In-Place Investment	L3+L5+L7	\$0.2022
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$0.0644
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0006
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0002
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.0151
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.0062
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.0059
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0005
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0000
24	Total Monthly LIDB Cost	WP Part C-1, Sect 17, Pg 2, L4	\$0.0007
25	Total Monthly Cost	L19+L21+L23+L24	\$0.0070

Selective Call Forwarding (per Centrex Line)

BELL ATLANTIC - NEW YORK

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Average # of LIDB Queries per Month	Product Management	2
2	LIDB Cost per Query	Part E	0.000104
3	SS7 Transport per LIDB Message	Part E	0.000223
4	Total Monthly LIDB Cost	(L2 + L3) * L1	\$0.0007

Selective Call Rejection (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 18, Pg 1, L19	\$0.1047
2	Common Overhead	WP: Part C-1, Sec 18, Pg 1, L21	\$0.0084
3	Gross Revenue Loading	WP: Part C-1, Sec 18, Pg 1, L23	\$0.0003
4	LIDB	WP: Part C-1, Sec 18, Pg 1, L24	\$0.0007
5	Total Monthly Cost	L1 + L2 + L3	\$0.1141

Selective Call Rejection (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 18	\$2.4192
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$2.4192
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$0.9742
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.1989
8	Total In-Place Investment	L3+L5+L7	\$3.5923
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.1433
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0108
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0030
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.2691
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1105
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1047
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0084
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0003
24	Total Monthly LIDB Cost	WP Part C-1, Sect 18, Pg 2, L4	\$0.0007
25	Total Monthly Cost	L19+L21+L23+L24	\$0.1141

Selective Call Rejection (per Centrex Line)

BELL ATLANTIC - NEW YORK

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Average # of LIDB Queries per Month	Product Management	2
2	LIDB Cost per Query	Part E	0.000104
3	SS7 Transport per LIDB Message	Part E	0.000223
4	Total Monthly LIDB Cost	(L2 + L3) * L1	\$0.0007

Six Way Conference (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 19, Pg 1, L19	\$0.5185
2	Common Overhead	WP: Part C-1, Sec 19, Pg 1, L21	\$0.0416
3	Gross Revenue Loading	WP: Part C-1, Sec 19, Pg 1, L23	\$0.0015
4	Total Monthly Cost	L1 + L2 + L3	\$0.5617

Six Way Conference (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 19	\$11.9767
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$11.9767
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$4.8230
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.9845
8	Total In-Place Investment	L3+L5+L7	\$17.7841
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$5.6600
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0534
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0150
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$1.3320
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.5471
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.5185
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0416
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0015
24	Total Monthly Cost	L19+L21+L23	\$0.5617

Station Message Detail Record to Premise (per Group)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 20, Pg 1, L19	\$11.7913
2	Common Overhead	WP: Part C-1, Sec 20, Pg 1, L21	\$0.9468
3	Gross Revenue Loading	WP: Part C-1, Sec 20, Pg 1, L23	\$0.0345
4	Total Monthly Cost	L1 + L2 + L3	\$12.7727

Station Message Detail Record to Premise (per Group)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 20	\$272.3567
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$272.3567
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$109.6780
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$22.3872
8	Total In-Place Investment	L3+L5+L7	\$404.4220
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$128.7128
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$1.2133
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.3410
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$30.2912
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$12.4423
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$11.7913
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.9468
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0345
24	Total Monthly Cost	L19+L21+L23	\$12.7727

Three-way Calling (per Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 21, Pg 1, L19	\$0.1348
2	Common Overhead	WP: Part C-1, Sec 21, Pg 1, L21	\$0.0108
3	Gross Revenue Loading	WP: Part C-1, Sec 21, Pg 1, L23	\$0.0004
4	Total Monthly Cost	L1 + L2 + L3	\$0.1461

Three-way Calling (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 21	\$3.1145
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$3.1145
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.2542
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.2560
8	Total In-Place Investment	L3+L5+L7	\$4.6247
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.4719
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0139
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0039
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.3464
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1423
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1348
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0108
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0004
24	Total Monthly Cost	L19+L21+L23	\$0.1461

Remote Call Forwarding (per Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 22, Pg 1, L19	\$0.8525
2	Common Overhead	WP: Part C-1, Sec 22, Pg 1, L21	\$0.0685
3	Gross Revenue Loading	WP: Part C-1, Sec 22, Pg 1, L23	\$0.0025
4	Total Monthly Cost	L1 + L2 + L3	\$0.9234

Remote Call Forwarding (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 22	\$19.6906
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$19.6906
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$7.9294
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$1.6185
8	Total In-Place Investment	L3+L5+L7	\$29.2385
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$9.3055
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0877
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0247
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$2.1900
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.8995
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.8525
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0685
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0025
24	Total Monthly Cost	L19+L21+L23	\$0.9234

Calling Number Delivery (per Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 23, Pg 1, L19	\$0.1160
2	Common Overhead	WP: Part C-1, Sec 23, Pg 1, L21	\$0.0093
3	Gross Revenue Loading	WP: Part C-1, Sec 23, Pg 1, L23	\$0.0003
4	Total Monthly Cost	L1 + L2 + L3	\$0.1257

Calling Number Delivery (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 23	\$2.6796
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$2.6796
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.0791
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.2203
8	Total In-Place Investment	L3+L5+L7	\$3.9789
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.2663
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0119
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0034
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.2980
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1224
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1160
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0093
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0003
24	Total Monthly Cost	L19+L21+L23	\$0.1257

Calling Number and Name Delivery (per Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 24, Pg 1, L19	\$0.1160
2	Common Overhead	WP: Part C-1, Sec 24, Pg 1, L21	\$0.0093
3	Gross Revenue Loading	WP: Part C-1, Sec 24, Pg 1, L23	\$0.0003
4	LIDB	WP: Part C-1, Sec 24, Pg 1, L24	\$0.0471
5	Total Monthly Cost	L1 + L2 + L3	\$0.1727

Calling Number and Name Delivery (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 24	\$2.6796
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$2.6796
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.0791
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.2203
8	Total In-Place Investment	L3+L5+L7	\$3.9789
9	Digital Switch ACF	VCOST	0.31826
10	Annual Digital Switch Cost	L8 x L9	\$1.2663
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0119
13	Land ACF	VCOST	0.28108
14	Annual Land Cost	L12 x L13	\$0.0034
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.2980
17	Building ACF	VCOST	0.41076
18	Annual Building Cost	L16 x L17	\$0.1224
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1160
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0093
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.00271
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0003
24	Total Monthly LIDB Cost	WP Part C-1, Sect 24, Pg 4, L8	\$0.0471
25	Total Monthly Cost	L19+L21+L23+L24	\$0.1727

Calling Number and Name Delivery (per Line)

BELL ATLANTIC - NEW YORK

SUMMARY OF LIDB COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	BH CN&N Calls per Line	Product Management	0.68
2	Annual to Busy Hour Ratio	WP Part C-3, Sec 8 Pg 1, L6	0.000331
3	Monthly CN&N Calls per Line	L1/L2/12	171.37
4	% Calls with Private Numbers	Product Management	16%
5	Queries per Month	L3 *(1 -L4)	143.95
6	LIDB Cost per Query	Part E	0.000104
7	SS7 Transport for LIDB Message	Part E	0.000223
8	Total Monthly LIDB Cost	(L6 + L7) * L5	\$ 0.0471

Call Waiting Display Number (per Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 25, Pg 1, L19	\$0.1160
2	Common Overhead	WP: Part C-1, Sec 25, Pg 1, L21	\$0.0093
3	Gross Revenue Loading	WP: Part C-1, Sec 25, Pg 1, L23	\$0.0003
4	Total Monthly Cost	L1 + L2 + L3	\$0.1257

Call Waiting Display Number (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 25	\$2.6796
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$2.6796
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.0791
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.2203
8	Total In-Place Investment	L3+L5+L7	\$3.9789
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.2663
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0119
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0034
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.2980
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1224
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1160
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0093
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0003
24	Total Monthly Cost	L19+L21+L23	\$0.1257

Call Waiting Display Name (per Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 26, Pg 1, L19	\$0.1160
2	Common Overhead	WP: Part C-1, Sec 26, Pg 1, L21	\$0.0093
3	Gross Revenue Loading	WP: Part C-1, Sec 26, Pg 1, L23	\$0.0003
4	Total Monthly Cost	L1 + L2 + L3	\$0.1257

Call Waiting Display Name (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 26	\$2.6796
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$2.6796
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.0791
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.2203
8	Total In-Place Investment	L3+L5+L7	\$3.9789
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.2663
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0119
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0034
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.2980
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1224
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1160
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0093
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0003
24	Total Monthly Cost	L19+L21+L23	\$0.1257

**Anonymous Call Rejection (per Line)
VERIZON - MASSACHUSETTS**

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 27, Pg 1, L19	\$0.0194
2	Common Overhead	WP: Part C-1, Sec 27, Pg 1, L21	\$0.0016
3	Gross Revenue Loading	WP: Part C-1, Sec 27, Pg 1, L23	\$0.0001
4	Total Monthly Cost	L1 + L2 + L3	\$0.0210

Anonymous Call Rejection (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 27	\$0.4478
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$0.4478
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$0.1803
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.0368
8	Total In-Place Investment	L3+L5+L7	\$0.6649
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$0.2116
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0020
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0006
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.0498
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.0205
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.0194
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0016
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0001
24	Total Monthly Cost	L19+L21+L23	\$0.0210

Automatic Recall (Call Return) (per Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 28, Pg 1, L19	\$0.1178
2	Common Overhead	WP: Part C-1, Sec 28, Pg 1, L21	\$0.0095
3	Gross Revenue Loading	WP: Part C-1, Sec 28, Pg 1, L23	\$0.0003
4	Total Monthly Cost	L1 + L2 + L3	\$0.1276

Automatic Recall (Call Return) (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 28	\$2.7211
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$2.7211
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.0958
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.2237
8	Total In-Place Investment	L3+L5+L7	\$4.0405
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.2859
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0121
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0034
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.3026
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1243
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1178
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0095
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0003
24	Total Monthly Cost	L19+L21+L23	\$0.1276

Circuit Switched Voice Intercom (ISDN) (per Terminal)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	Total Monthly Cost	WP: Part C-1, Sec 29, Pg 1, L9	\$8.8816

Circuit Switched Voice Intercom (ISDN) (per Terminal)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	BH Intragroup CCS per Channel	Product Management	12.0
2	BH Intragroup MOU per Channel	$L1 \times 100 / 60$	20.0
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 8 Pg 1, L6	0.000331
4	Annual Intragroup MOU	$L2 / L3$	60481.93
5	Monthly Intragroup MOU	$L4 / 12$	5040.16
6	UNE End Office Orig. Usage Rate	Exh Part C-2, Sect 1, Pg 1, L1	0.001877
7	UNE End Office Term. Usage Rate	Exh Part C-2, Sect 1, Pg 1, L2	0.001647
8	UNE End Office Average Usage Rate	$(L6 + L7) / 2$	\$0.001762
9	Monthly Intercom Costs per Channel	$L5 \times L8$	\$8.8816

Circuit Switched Voice (ISDN) - Announcement (per Terminal)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 30, Pg 1, L19	\$3.6612
2	Common Overhead	WP: Part C-1, Sec 30, Pg 1, L21	\$0.2940
3	Gross Revenue Loading	WP: Part C-1, Sec 30, Pg 1, L23	\$0.0107
4	Total Monthly Cost	L1 + L2 + L3	\$3.9659

Circuit Switched Voice (ISDN) - Announcement (per Terminal)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment per Group	WP: Part C-1, Sec 39, Pg 4, L 30	\$422.8331
2	Lines per Group	Product Management	5
3	Material Investment per Line	L1/L2	\$84.5666
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$34.0550
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$6.9512
8	Total In-Place Investment	L3+L5+L7	\$125.5728
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$39.9653
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.3767
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.1059
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$9.4054
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$3.8633
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$3.6612
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.2940
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0107
24	Total Monthly Cost	L19+L21+L23	\$3.9659

Six-way Conference Calling (ISDN) (per Terminal)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 31, Pg 1, L19	\$0.3111
2	Common Overhead	WP: Part C-1, Sec 31, Pg 1, L21	\$0.0250
3	Gross Revenue Loading	WP: Part C-1, Sec 31, Pg 1, L23	\$0.0009
4	Total Monthly Cost	L1 + L2 + L3	\$0.3370

Six-way Conference Calling (ISDN) (per Terminal)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 4, L 31	\$7.1860
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$7.1860
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$2.8938
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.5907
8	Total In-Place Investment	L3+L5+L7	\$10.6705
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$3.3960
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0320
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0090
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.7992
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.3283
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.3111
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0250
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0009
24	Total Monthly Cost	L19+L21+L23	\$0.3370

Three-way Calling (ISDN) (per Terminal)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 32, Pg 1, L19	\$0.1348
2	Common Overhead	WP: Part C-1, Sec 32, Pg 1, L21	\$0.0108
3	Gross Revenue Loading	WP: Part C-1, Sec 32, Pg 1, L23	\$0.0004
4	Total Monthly Cost	L1 + L2 + L3	\$0.1461

Three-way Calling (ISDN) (per Terminal)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 4, L 32	\$3.1145
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$3.1145
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.2542
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.2560
8	Total In-Place Investment	L3+L5+L7	\$4.6247
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.4719
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0139
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0039
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.3464
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1423
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1348
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0108
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0004
24	Total Monthly Cost	L19+L21+L23	\$0.1461

Calling Number Delivery (ISDN) (per Directory Number)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 33, Pg 1, L19	\$0.0000
2	Common Overhead	WP: Part C-1, Sec 33, Pg 1, L21	\$0.0000
3	Gross Revenue Loading	WP: Part C-1, Sec 33, Pg 1, L23	\$0.0000
4	Total Monthly Cost	L1 + L2 + L3	\$0.0000

Calling Number Delivery (ISDN) (per Directory Number)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 4, L 33	\$0.0000
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$0.0000
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$0.0000
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.0000
8	Total In-Place Investment	L3+L5+L7	\$0.0000
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$0.0000
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0000
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0000
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.0000
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.0000
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.0000
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0000
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0000
24	Total Monthly Cost	L19+L21+L23	\$0.0000

Calling Name Delivery (ISDN) (per PRI)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 34, Pg 1, L19	\$0.0000
2	Common Overhead	WP: Part C-1, Sec 34, Pg 1, L21	\$0.0000
3	Gross Revenue Loading	WP: Part C-1, Sec 34, Pg 1, L23	\$0.0000
4	LIDB	WP: Part C-1, Sec 34, Pg 1, L24	\$1.1075
5	Total Monthly Cost	L1 + L2 + L3	\$1.1075

Calling Name Delivery (ISDN) (per PRI)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 34	\$0.0000
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$0.0000
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$0.0000
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.0000
8	Total In-Place Investment	L3+L5+L7	\$0.0000
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$0.0000
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0000
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0000
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.0000
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.0000
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.0000
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0000
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0000
24	Total Monthly LIDB Cost	WP Part C-1, Sect 34, Pg 2, L8	\$1.1075
25	Total Monthly Cost	L19+L21+L23+L24	\$1.1075

Calling Name Delivery (ISDN) (per PRI)

BELL ATLANTIC - NEW YORK

SUMMARY OF LIDB COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	BH CN&N Calls per Line	Product Management	16
2	Annual to Busy Hour Ratio	WP Part C-3, Sec 8 Pg 1, L6	0.000331
3	Monthly CN&N Calls per Line	L1/L2/12	4032.13
4	% Calls with Private Numbers	Product Management	16%
5	Queries per Month	L3 *(1 -L4)	3386.99
6	LIDB Cost per Query	Part E	0.000104
7	SS7 Transport for LIDB Message	Part E	0.000223
8	Total Monthly LIDB Cost	(L6 + L7) * L5	\$ 1.1075

SIMPLIFIED MESSAGE DESK INTERFACE
BELL ATLANTIC - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 37, Pg 2, L19	\$172.9008
2	Common Overhead	WP: Part C-1, Sec 37, Pg 2, L21	\$13.8839
3	Gross Revenue Loading	WP: Part C-1, Sec 37, Pg 2, L23	\$0.5057
4	Total Monthly Cost per Customer	L1 + L2 + L3	\$187.2904

SIMPLIFIED MESSAGE DESK INTERFACE
BELL ATLANTIC - MASSACHUSETTS

MATERIAL INVESTMENT PER CUSTOMER

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Modem	Vendor	\$455.26
2	Application Processor	Vendor	\$3,386.75
3	SMDI Port	SCIS	\$60.11
4	Message Waiting Indicator	SCIS	\$0.00
5	Interswitch Vioce Messaging	SCIS	\$20.96
6	Application Processor DSL Interface	SCIS	\$70.59
7	Total per Customer	Sum L1 through L6	\$3,993.67

SIMPLIFIED MESSAGE DESK INTERFACE
BELL ATLANTIC - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 37, Pg 1, L 7	\$3,993.67
2	Utilization Factor	Not Applicable	1
3	Adjusted Material Investment	L1/L2	\$3,993.67
4	Digital Switch EF&I Factor	V Cost	0.4027
5	Installation Cost	L3 x L4	\$1,608.25
6	Power Factor	V Cost	0.0586
7	Power Investment	(L3 + L5) x L6	\$328.27
8	Total In-Place Investment	L3+L5+L7	\$5,930.19
9	Digital Switch ACF	V Cost	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1,887.3634
11	Land Factor	V Cost	0.003
12	Land Investment	L8 x L11	\$17.79
13	Land ACF	V Cost	0.2811
14	Annual Land Cost	L12 x L13	\$5.0006
15	Building Factor	V Cost	0.0749
16	Building Investment	L8 x L15	\$444.17
17	Building ACF	V Cost	0.4108
18	Annual Building Cost	L16 x L17	\$182.4457
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$172.9008
20	Common Overhead Factor	V Cost	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$13.8839
22	Gross Revenue Loading Factor	V Cost (Grossed-up Factor)	0.0027073
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.5057
24	Total Monthly Cost	L19+L21+L23	\$187.2904

Utilization Adjustment Factors
VERIZON - MASSACHUSETTS

Utilization Adjustment Factor - GR 303 (POTS)

5ESS			Required	Actual	SCIS	Breakage	Admin	Average	Utilization
<u>Line</u>	<u># Lines</u>	<u>Cap@93%</u>	<u># of IDCUs</u>	<u># of IDCUs</u>	<u># of IDCUs</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
(A)	(B)	(C)	(D=B/C)	(E=D')	(F=D+0.5)	(G=E/F)	(H)	(I)	(J=I/H/G)
1	640555	892	718.11	719	718.61	1.0005	93%	80%	85.97%
DMS			Required	Actual	SCIS	Breakage	Admin	Average	Utilization
<u>Line</u>	<u># Lines</u>	<u>Cap@93%</u>	<u># of ESMAs</u>	<u># of ESMAs</u>	<u># of ESMAs</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
(A)	(B)	(C)	(D=B/C)	(E=D')	(F=D+0.5)	(G=E/F)	(H)	(I)	(J=I/H/G)
2	480731	1071	448.86	449	449.36	0.9992	93%	80%	86.09%
Wghtd Utilization									
<u>Zone</u>			5ESS lines	DMS Lines	% 5ESS	% DMS			
3	86.02464%		640555	480731	57.13%	42.87%			

Utilization Adjustment Factors
BELL ATLANTIC - NEW YORK

Utilization Adjustment Factor - Analog Lines (POTS)

5ESS Line	# Lines	Cap@95%	Required # of AIUs	Actual # of AIUs	SCIS AIUs	Breakage Adjust Factor	Admin Fill Factor	Average Fill Factor	Utilization Adjust Factor
(A)	(B)	(C)	(D=B/C)	(E=D')	(F=D+0.5)	(G=E/F)	(H)	(I)	(J=I/H/G)
1	1921950	486	3954.63	3955	3955.13	1.0000	95%	93%	97.90%

DMS Line	# Lines	Cap@95%	Required # of LCMs	Actual # of LCMs	SCIS # of LCMs	Breakage Adjust Factor	Admin Fill Factor	Average Fill Factor	Utilization Adjust Factor
(A)	(B)	(C)	(D=B/C)	(E=D')	(F=D+0.5)	(G=E/F)	(H)	(I)	(J=I/H/G)
2	1442194	608	2372.03	2373	2372.53	1.0002	95%	93%	97.88%

Line	Wghtd Utilization	5ESS lines	DMS Lines	% 5ESS	% DMS
3	97.88825%	1921666	1442194	57.13%	42.87%

Utilization Adjustment Factors
VERIZON - MASSACHUSETTS

Utilization Adjustment Factor - Lines (POTS)

		Wghtd Utilization	% Line	
1	Digital or Gr303	86.02464%	25.00000%	21.50616%
2	Analog	97.88825%	75.00000%	73.41619%
3	Line Port Utilization			94.92235%

Utilization Adjustment Factors
BELL ATLANTIC - NEW YORK

Utilization Adjustment Factor - Digital Trunks

5ESS Line		# Trunks	Cap@95%	Required # of DNUs	Actual # of DNUs	SCIS # of DNUs	Breakage Adjust Factor	Admin Fill Factor	Average Fill Factor	Utilization Adjust Factor
(A)		(B)	(C)	(D=B/C)	(E=D')	(F=D+0.5)	(G=E/F)	(H)	(I)	(J=I/H/G)
1	EO	482733	7660	63.02	64	63.52	1.0076	95%	90%	94.03%
2	Tdm	547710	7660	71.50	72	72.00	1.0000	95%	90%	0.00%
DMS Line		# Trunks	Cap@95%	Required # of DTCs	Actual # of DTCs	SCIS # of DTCs	Breakage Adjust Factor	Admin Fill Factor	Average Fill Factor	Utilization Adjust Factor
(A)		(B)	(C)	(D=B/C)	(E=D')	(F=D+0.5)	(G=E/F)	(H)	(I)	(J=I/H/G)
3	EO	290112	456	636.21	637	636.71	1.0005	95%	90%	94.69%
4	Tdm	113000	456	247.81	248	248.31	0.9988	95%	90%	94.85%
Wghtd Utilization										
Line				5ESS lines	DMS Lines	% 5ESS	% DMS			
5	EO	94.27685%		482733	290112	62.46%	37.54%			
6	Tdm	94.85412%		547710	113000	82.90%	17.10%			

Switch Material Investments
End Offices
VERIZON - MASSACHUSETTS

A	B	C	D	E	F
Line		Source	Discounted Material	Weighting Factor	Weighted Investment
	Switch Ports				
1	Analog Line Port				
1.1	5ESS SCIS Material Investment	SCIS	\$ 36.4595	57.13%	\$ 18.7065
1.2	DMS SCIS Material Investment	SCIS	\$ 38.5575	42.87%	\$ 16.5308
1.3	Weighted SCIS/MO Material Investment	L1.1F + L1.2F			\$ 35.2373
2	Line Port				
2.1	5ESS SCIS Material Investment	SCIS	\$ 32.7455	57.13%	\$ 18.7065
2.2	DMS SCIS Material Investment	WP Part C-1, Sec 39 Pg 1 L3	\$ 31.0032	42.87%	\$ 13.2921
2.3	Weighted SCIS/MO Material Investment	L2.1F+ L2.2F			\$ 31.9985
3	Analog Coin Port				
3.1	5ESS SCIS Material Investment	SCIS	\$ 32.7455		
3.2	5ESS Analog Coin Port Differential	WP Part C-1, Sec 40 Pg 1 L9	\$ 0.7106		
3.3	Total 5ESS Material Investment	L3.1D + L3.2D	\$ 33.4561	57.13%	\$ 19.1124
3.4	DMS SCIS Material Investment	SCIS	\$ 38.5575		
3.5	DMS Analog Coin Port Differential	WP Part C-1, Sec 40 Pg 1 L8	\$ 17.1184		
3.6	Total DMS Material Investment	L3.4D + L3.5D	\$ 55.6759	42.87%	\$ 23.8700
3.7	Weighted SCIS/MO Material Investment	L3.3F + L3.6F			\$ 42.9824
4	Coin Port				
4.1	5ESS SCIS Material Investment	SCIS	\$ 32.7455		
4.2	5ESS Weighted Coin Port Differential	WP Part C-1, Sec 40 Pg 1 L11	\$ 0.7106		
4.3	Total 5ESS Material Investment	L4.1D + L4.2D	\$ 33.4561	57.13%	\$ 19.1124
4.4	DMS SCIS Material Investment	SCIS	\$ 31.0032		
4.5	DMS Weighted Coin Port Differential	WP Part C-1, Sec 40 Pg 1 L10	\$ 12.9546		
4.6	Total DMS Material Investment	L4.4D + L4.5D	\$ 43.9578	42.87%	\$ 18.8461
4.7	Weighted SCIS/MO Material Investment	L4.3F + L4.6F			\$ 37.9585
5	End Office Trunk Port				
5.1	5ESS SCIS Material Investment	SCIS	\$ 44.5120	62.46%	\$ 27.8030
5.2	DMS SCIS Material Investment	SCIS	\$ 83.4440	37.54%	\$ 31.3234
5.3	Weighted SCIS/MO Material Investment	L5.1F + L5.2F		(Per DS-0)	\$ 59.1263
5.4		L5.3 * 24		(Per DS-1)	\$ 1,419.0319
6	ISDN BRI Port				
6.1	5ESS SCIS Wghtd Material Investment	SCIS	\$ 122.5126	79.45%	\$ 97.3302
6.2	DMS-100 SCIS Wghtd Material Investment	SCIS	\$ 219.1056	20.55%	\$ 45.0370
6.3	Weighted SCIS/MO Material Investment	L7.1F + L7.2F			\$ 142.3672
7	ISDN PRI Port				
7.1	5ESS SCIS Material Investment- PRI	SCIS	\$ 183.5771	68.95%	\$ 126.5730
7.2	DMS SCIS Material Investment- PRI	SCIS	\$ 223.7158	31.05%	\$ 69.4680
7.3	5ESS SCIS Material Investment- B Channel	SCIS	\$ 28.2419	68.95%	\$ 19.4722
7.4	DMS SCIS Material Investment- B Channel	SCIS	\$ 112.1560	31.05%	\$ 34.8266
7.5	5ESS SCIS Material Investment- ISDN PRI	L7.1F +(L7.3F * 23)			\$ 574.43
7.6	DMS SCIS Material Investment- ISDN PRI	L7.2F + (L7.4 * 23)			\$ 870.48
7.7	Weighted ISDN PRI	L7.5F + L7.6F			\$ 1,444.9134

Switch Material Investments
End Offices
VERIZON - MASSACHUSETTS

COIN FEATURE

8	Delay Announcement		
8.1	SCIS I/N 5ESS Material Investment	\$	0.7106
8.2	SCIS I/N DMS Material Investment	\$	0.4632

CENTREX FEATURES

9	Centrex Intercom (per Centrex Line)		
	SCIS I/N Weighted Material Investment	(Usage Costs Only) \$	-
			Per line
10	Centrex Announcement (per Centrex Line)		
	SCIS I/N Weighted Material Investment	\$	167.0564
			Per Group
11	3-Way Conference (per Centrex Line)		
	SCIS I/N Weighted Material Investment	\$	3.1145
			Per Station Line
12	Automatic Callback (per Centrex Line)		
	SCIS I/N Weighted Material Investment	\$	2.6824
			Per Station Line
13	Distinctive Ringing (per Centrex Line)		
	SCIS I/N Weighted Material Investment	\$	0.2849
			Per Station Line
14	Loudspeaker Paging (per Trunk)		
	SCIS I/N Weighted Material Investment	\$	91.3058
			per Trunk
15	Meet-Me Conference (per Group)		
	SCIS I/N DMS Material Investment(Available in DMS-100 Only)	\$	2.7317
			per Group
16	Selective Call Acceptance (per Centrex Line)		
	SCIS I/N Weighted Material Investment	\$	0.3424
			Per Station Line
17	Selective Call Forwarding (per Centrex Line)		
	SCIS I/N Weighted Material Investment	\$	0.1362
			Per Station Line
18	Selective Call Rejection (per Centrex Line)		
	SCIS I/N Weighted Material Investment	\$	2.4192
			Per Station Line
19	Six Way Conference (per Centrex Line)		
	SCIS I/N Weighted Material Investment	\$	11.9767
			Per Station Line
20	Station Message Detail Record to Premise (per Group)		
	SCIS I/N DMS Material Investment(Available in DMS-100 Only)	\$	272.3567
			Per Group

Switch Material Investments
End Offices
VERIZON - MASSACHUSETTS

INDIVIDUAL LINE FEATURES:

21	Three-way Calling (per Line)		
	SCIS I/N Weighted Material Investment	\$	3.1145
			Per Line
22	Remote Call Forwarding (per Line)		
	SCIS I/N Weighted Material Investment	\$	19.6906
			Per Line
23	Calling Number Delivery (per Line)		
	SCIS I/N Weighted Material Investment	\$	2.6796
			Per Line
24	Calling Number and Name Delivery (per Line)		
	SCIS I/N Weighted Material Investment	\$	2.6796
			Per Line
25	Call Waiting Display Number (per Line)		
	SCIS I/N Weighted Material Investment	\$	2.6796
			Per Line
26	Call Waiting Display Name (per Line)		
	SCIS I/N Weighted Material Investment	\$	2.6796
			Per Line
27	Anonymous Call Rejection (per Line)		
	SCIS I/N Weighted Material Investment	\$	0.4478
			Per Line
28	Automatic Recall (Call Return) (per Line)		
	SCIS I/N Weighted Material Investment	\$	2.7211
			Per Line

Switch Material Investments
End Offices
VERIZON - MASSACHUSETTS

A	B	C	D	E	F
		Source	Discounted Material	Weighting Factor	Weighted Investment
ISDN FEATURES					
29	Circuit Switched Voice Intercom (ISDN) (per Terminal)				
	SCIS I/N Weighted Material (Total Feature) Investment		(Usage Costs Only)	\$	-
					Per Terminal
30	Circuit Switched Voice (ISDN) - Announcement (per Terminal)				
	SCIS I/N Weighted Material Investment			\$	422.8331
					Per Group
31	Six-way Conference Calling (ISDN) (per Terminal)				
	SCIS I/N Weighted Material Investment			\$	7.1860
					Per Terminal
32	Three-way Calling (ISDN) (per Terminal)				
	SCIS I/N Weighted Material Investment			\$	3.1145
					Per Terminal
33	Calling Number Delivery (ISDN) (per Directory Number)				
	SCIS I/N Weighted Material Investment			\$	-
					Per Directory No.
34	Calling Name Delivery (ISDN) (per PRI)				
	SCIS I/N Weighted Material Investment			\$	-
					Per PRI
Switch Ports					
35	Integrated Digital Loop Carrier Port				
35.1	5ESS SCIS Material Investment	SCIS	\$ 21.8942	57.13%	\$ 12.5074
35.2	DMS SCIS Material Investment	SCIS	\$ 8.3491	42.87%	\$ 3.5795
35.3	Weighted SCIS/MO Material Investment	L5.1F + L5.2F		(Per DS-0)	\$ 16.0870
35.4		L35.3 * 24		(Per DS-1)	\$ 386.0868
35.5		L35.4*4		(Per 4 DS-1s)	\$ 1,544.3473
	DMS Digital Line Weighting	Lines	% wghting	Invest	Wghtd Invest
35.5		Remotes	47,869	9.96% \$ 17.0792	\$ 1.7007
35.6		Hosts	432,862	90.04% \$ 7.3837	\$ 6.6484
35.7					\$ 8.3491

Switch Material Investments
Tandems
VERIZON - MASSACHUSETTS

A	B	C	D	E	F
		Source	Discounted Material	Weighting Factor	Weighted Investment
1	Tandem Trunk Port				
1.1		5ESS	\$ 41.8117	82.90%	\$ 34.6607
1.2		DMS	\$ 71.4570	17.10%	\$ 12.2211
1.3	Weighted SCIS/MO Material Investment			(Per DS-0)	\$ 46.8819
1.4		L1C *24		(Per DS-1)	\$ 1,125.1645
2	TOPS Trunk Port				
2.1		5ESS		0.00%	\$ -
2.2		DMS	\$ 71.4570	100.00%	\$ 71.4570
2.3	Weighted SCIS/MO Material Investment			(Per DS-0)	\$ 71.4570
2.4		L2C * 24		(Per DS-1)	\$ 1,714.9668

COIN FUNCTIONALITY INVESTMENT SUPPORT

VERIZON - MASSACHUSETTS

LINE	ITEM A	SOURCE B	VALUE C
HARDWARE - LINE CARD (DMS-100)			
1	6X18AA Ground Start Line Card (Required for Coin)	Vendor	\$32.45
2	6X17AC POTS Line Card (Used in Analog Line Port)	Vendor	\$23.66
3	Net Discounted Cost per Line - Line Card	L1 - L2	\$8.80
HARDWARE - POWER CONVERTER (DMS-100)			
4	6X23AA Line Card (Serves 10 Lines)	Vendor	\$78.58
5	Net Discounted Cost per Line - Power Converter	L4 / (10)	\$7.86
HARDWARE - ANNOUNCEMENTS CIRCUITS			
6	DMS-100 (Per Coin Port)	WP Part C-1, Sec 39, Pg 2, L8.1	\$0.4632
7	5ESS (Per Coin Port)	WP Part C-1, Sec 39, Pg 2, L8.2	\$0.7106
8	Total DMS Analog Port H'dware Differential	L3 + L5 + L6	\$17.12
9	Total 5ESS Analog Port H'dware Differential	L7	\$0.71
10	Total Material Cost - DMS Digital Coin Port Support (Announcement Circuits Only)**	L6	\$0.46
11	Total Material Cost - 5ESS Digital Coin Port Support (Announcement Circuits Only)**	L7	\$0.71
12	Percent Digital Lines	SCIS Inputs	25%
13	Weighted Material Cost - DMS Coin Port Support	$(L10 * L12) + (L8 * (1 - L12))$	\$12.95
14	Weighted Material Cost - 5ESS Coin Port Support	$(L11 * L12) + (L9 * (1 - L12))$	\$0.71

** Digital Line Ports in DMS and 5ESS include coin port functionality; however, both switches require announcements hardware.

Note : This tab functions as a single point of input for common factors used in the Workpapers. It *should not* be printed and included as part of any paper filing package.

<i>Input</i>	<i>Reference</i>	<i>Value</i>
Line Utilization Adjustment		
	WP Part C-1, Sect 38, Pg 3, L3	0.949
Analog Line Utilization Adjustment		
	WP Part C-1, Sect 38, Pg 2, L3	0.979
Digital Trunk Utilization Adjustment		
End Office	WP Part C-1, Sect 38, Pg 4, L5	0.943
Tandem	WP Part C-1, Sect 38, Pg 4, L6	0.949
Feature Utilization Adjustment	N/R	1.000
Digital Switch EF&I Factor	VCOST	0.402700
Power Factor	VCOST	0.058600
Digital Switch ACF	VCOST	0.318264
Land Factor	VCOST	0.003000
Land ACF	VCOST	0.281083
Building Factor	VCOST	0.074900
Building ACF	VCOST	0.410755
Common Overhead Factor	VCOST	0.080300
Gross Revenue Loading Factor	VCOST (Grossed Up)	0.002707
Annual to Busy Hour Ratio	WP Part C-3, Sec 8 Pg 1, L6	0.000331
LIDB Cost per Query	Part E	\$0.000104
SS7 Transport for LIDB Message	Part E	\$0.000223
Originating MOU		
UNE End Office Orig. Usage Rate	Exh Part C-2, Sect 1, Pg 1, L1	\$0.001877
Terminating MOU		
UNE End Office Term. Usage Rate	Exh Part C-2, Sect 1, Pg 1, L2	\$0.001647
ISDN BRI		
5ESS	SCIS	52568
DMS	SCIS	13601
	%	79.45%
	%	20.55%
ISDN PRI		
5ESS	SCIS	4372
DMS	SCIS	1969
	%	68.95%
	%	31.05%

Part B-2 Section Index

Section

Switching

- 1 Switch Usage (per MOU)

Trunks

- 2 Common Trunk (Per MOU)

Transport

- 3 Common Transport (Separate File)

Supporting Workpapers

- 4 SCIS End Office Results
- 5 SCIS Tandem Office Results
- 6 RTU Costs
- 7 Features Included in Usage

should not

<i>Input</i>	<i>Reference</i>	<i>Value</i>
Digital Switch EFI Factor	VCOST	0.402700
Power Factor	VCOST	0.058600
Digital Switch ACF	VCOST	0.318264
Land Factor	VCOST	0.003000
Land ACF	VCOST	0.281083
Building Factor	VCOST	0.074900
Building ACF	VCOST	0.410755
Common Overhead Factor	VCOST	0.080300
Gross Revenue Loading Factor	VCOST	0.002707
Right-To -Use Factor	Part G-9	0.019700
Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
Fixed Monthly Cost of DS-1 Transport	Part D-6	\$ 46.42
Variable Monthly Cost of DS-1 Transport, per Mile	Part D-6	\$ 1.41
Umbilical to Host Miles	V & H Calculated	9.94
Hosts	SCIS INPUT STATISTICS	133
Tandems	SCIS INPUT STATISTICS	9
SS7 Cost per MOU	N/A	\$ -

RECALCULATED VZ-MA STUDY WITH CORRECTED DEFRAGMENTED DATABASE;
CORRECTED 5ESS IDLC PORT INVESTMENT; AND VZ-MA CORRECTIONS TO TRUNK MOU
AND CORRECTED 5ESS DISCOUNTS

Summary

Element	End Office	Tandem	TOPS	IOF
Switching (avg)	0.0017710	0.0001444		
Switching - Orig	0.0018773			
Switching - Term	0.0016470			
Common Trunk	0.000473	0.000323	0.0014113	
VZ-MA -As Filed				
Switching (avg)	0.002756	0.0002744		
Switching - Orig	0.0029214			
Switching - Term	0.0025631			
Common Trunk	0.000705	0.000572	0.0014113	
Differences				
Switching (avg)	-36%	-47%		
Switching - Orig	-36%			
Switching - Term	-36%			
Common Trunk	-33%	-44%	0%	

*VZ-MA subsequent corrections to trunk MOU per response to Att 4-46 included

Switch Usage (per MOU)
VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
End Office			
1	Originating End Office Usage	WP: Part C-2, Sec 1, Pg 1, L34	\$0.001877
2	Terminating End Office Usage	WP: Part C-2, Sec 1, Pg 1, L36	\$0.001647
Tandem			
3	Tandem Usage	WP: Part C-2, Sec 1, Pg 2, L29	\$0.000144

Local Switch Usage

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	C
1	TS Material Investment	WP Part C-2, Sec 4, Pg 1, L25	\$198,673,525
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-2, Sec 4, Pg 2, L12	26,012,508
3	Material Investment per BH MOU	L1/L2	\$7.63762
4	Digital Switch EFI Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$3.075668
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.627798
8	Total In-Place Investment	L3+L5+L7	\$11.341081
9	Digital Switch ACF	VCOST	0.318263529
10	Annual Digital Switch Cost	L8 x L9	\$3.609452
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.034023
13	Land ACF	VCOST	0.281083327
14	Annual Land Cost	L12 x L13	\$0.009563
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.849447
17	Building ACF	VCOST	0.410755193
18	Annual Building Cost	L16 x L17	\$0.348915
19	RTU per MOU	WP Part C-2, Sec 6, PG1, L10	\$0.448147
20	Total TELRIC Annual Cost	(L10+L14+L18+L19)	\$4.416078
21	Common Overhead Factor	VCOST	0.0803
22	Common Overhead Annual Cost	L20 x L21	\$0.354611
23	Gross Revenue Loading Factor	VCOST	0.0027073
24	Gross Revenue Annual Cost	(L20+L22) x L23	\$0.012916
25	Umbilical Cost per BH MOU	WP Part C-2, Sec 4, Pg 3, L12	0.026238
26	Total Cost per BH MOU	L20+L22+L24+L25	\$4.81
27	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
28	Cost per AHD MOU	L26*L27	\$0.001591
29	Non Conversation Time Adjustment	WP Part C-3, Sec 6, Pg 1, 16	1.113
30	Total Switching Cost per MOU	L28*L29	\$0.001771
31	SS7 Cost per MOU	N/A	0
32	Total Cost per Mou	L30 + L31	\$0.001771
33	Originating to Average Ratio	Service Costs	1.06
34	Originating MOU	L32*L33	\$0.001877
35	Terminating to Average Ratio	Service Costs	0.93
36	Terminating MOU	L32*L35	\$0.001647

Tandem Switch Usage

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	TANDEM C
1	TS Material Investment	WP Part C-2, Sec 5, Pg 1, L10	\$12,169,474.00
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-2, Sec 5, Pg 2, L3	18,818,027
3	Material Investment per BH MOU	L1/L2	\$0.64669
4	Digital Switch EFI Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$0.260423
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.053157
8	Total In-Place Investment	L3+L5+L7	\$0.960272
9	Digital Switch ACF	VCOST	0.318263529
10	Annual Digital Switch Cost	L8 x L9	\$0.305620
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.002881
13	Land ACF	VCOST	0.281083327
14	Annual Land Cost	L12 x L13	\$0.000810
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.071924
17	Building ACF	VCOST	0.410755193
18	Annual Building Cost	L16 x L17	\$0.02954
19	RTU per MOU	WP Part C-2, Sec 6, Pg 2, L10	\$0.067068
20	Total TELRIC Annual Cost	(L10+L14+L18+L19)	\$0.403041
21	Common Overhead Factor	VCOST	0.0803
22	Common Overhead Annual Cost	L20 x L21	\$0.032364
23	Gross Revenue Loading Factor	VCOST	0.0027073
24	Gross Revenue Annual Cost	(L20+L22) x L23	\$0.001179
25	Total Switching Cost per BH MOU	L20+L22+L24	\$0.44
26	SS7 Cost per MOU	N/A	\$ -
27	Total Tandem Cost per BH MOU	L25 + L26	\$0.44
28	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
29	Cost per AHD MOU	L26*L27	\$0.000144

Common Trunk (per MOU)
VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
End Office			
1	Common End Office Trunk	WP: Part C-2, Sec 2, Pg 1, L6	\$0.000473
Tandem			
2	Common Tandem Trunk	WP: Part C-2, Sec 2, Pg 2, L6	\$0.000323
TOPS			
3	Common TOPS Trunk	WP: Part C-2, Sec 2, Pg 3, L6	\$0.001411

Common End OfficeTrunk

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	VALUE C
1	Monthly Cost - End Office Trunk (DS-0)	(Exh Part C-1 Sec 5 Page 1) / 24	\$ 2.94
2	BH MOU per Trunk	WP Part C-2, Sec 4, Pg 2, L18	24.66
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
4	Annual MOU	L2/L3	74,575.60
5	Monthly MOU	L4/12	6,214.63
6	Cost per MOU	L1/L5	\$ 0.000473

Common Tandem Trunk

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	VALUE C
1	Monthly Cost - Tandem Trunk (DS-0)	(Exh Part C-1, Sec 6, Page 1, L4) / 24	\$ 2.32
2	Tandem BH MOU per Trunk	WP Part C-2, Sec 5, Pg 2, L3	28.48
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
4	Annual MOU	L2/L3	86,131
5	Monthly MOU	L4/12	7,177.57
6	Cost per MOU	L1/L5	\$ 0.000323

Common TOPS Trunk

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	VALUE C
1	Monthly Cost - TOPS Trunk (DS-0)	(Exh Part C-1, Sec 6.1, Page 1, L4) / 24	\$ 3.53
2	TOPS BH MOU per Trunk	WP Part C-2, Sec 5, Pg 2, L4	9.93
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
4	Annual MOU	L2/L3	30,039
5	Monthly MOU	L4/12	2,503.28
6	Cost per MOU	L1/L5	\$ 0.001411

SCIS End Office Total Material Investment

VERIZON - MASSACHUSETTS

Line #	SCIS Non ISDN:	A 5 ESS	B DMS	C Meld
1.	Getting Started	68718048	48878475	117596523
2.	SM 2000 EPHC	17646109		17646109
3.	Line Term. A+C+D	84058832	59616910	143675742
4.	LINE CCS	24975237	23646433	48621670
5.	Term Call	0	0	0
6.	Trunk CCS	19328519	24045548	43374067
7.	SS7 Link	360475	1693509	2053984
8.	UMBILICAL TRUNK CCS		1,734,901	1734901
9.	-----	\$ 215,087,220	\$ 159,615,776	\$ 374,702,996
	(Sum L1 to L8)			
SCIS ISDN Investments:				
10.	SM 2000 Real Time EPHC	3267350		3267350
11.	BRI - U Card	644240	2980920	3625160
12.	ISDN LINE CCS	1968581	521621	2490202
13.	PRI D CHANNEL	802599	440496	1243095
14.	PRI B CHANNEL	2839891	5079210	7919101
15.	D CH. ACC. PPS	2167388	715082	2882470
16.	PPB CH. ACCESS PPS		486415	486415
17.	INTER-SWITCH PPS	369180	163329	532509
18.	XAT PPS	10408		10408
19.	ADD'L BRI PPB CH.		794180	794180
20.	ADD'L D CH. TERM.		423746	423746
21.	ADD'L XAT Channel	133058		133058
22.	-----	\$ 12,202,695	\$ 11,604,999	\$ 23,807,694
	(Sum L10 to L21)			
23.	Total Local Switch - SCIS (L9 + L22)	\$ 227,289,915	\$ 171,220,775	\$ 398,510,690
24.	Total NTS (L3 + L6 + L11 + L13 + L14)	\$ 107,674,081	\$ 92,163,084	\$ 199,837,165
25.	Total TS (Usage) (L23 - L24)	\$ 119,615,834	\$ 79,057,691	\$ 198,673,525

End Office Minutes of Use

VERIZON - MASSACHUSETTS

		A	B	C
Line		Number of Lines	Zone 1A CCS per Line	TOTAL CCS
A. End Office Lines:				
5ESS CCS:				
1	POTS Lines	2562505	3.72	9532519
2	ISDN BRI Lines	52568	8.98	472061
3	POTS Lines on ISDN Interface			0
4	5ESS CCS TOTAL			10,004,579
5	5ESS MOU TOTAL	(= CCS * 100 / 60)		16,674,299
DMS-100 CCS:				
Number of Lines				
CCS per Line				
TOTAL CCS				
6	POTS Lines	1922925	3.79	7287886
7	ISDN BRI Lines	13601	9.31	126625
8	POTS Lines on ISDN Interface			0
9	DMS-100 CCS TOTAL			7,414,511
10	DMS-100 MOU TOTAL	(= CCS * 100 / 60)		12,357,518
Total				
11	5ESS & DMS-100 CCS			17,419,090
12	5ESS & DMS-100 MOU at Midpoint of Planning Cycle	(= CCS * 100 / 60)*0.896)		26,012,508
13	Annual to Busy Hour Ratio		0.000331	
14	Annual MOUs	(=BH MOU/ABHR)		78,664,331,970
B. End Office Trunks:				
15	5ESS	482733	15.88	7,665,800
16	DMS-100	290112	14.55	4,221,130
17	Digital Trunk CCS /Trunk		15.38	11,886,930
18	Digital Trunk MOU at Midpoint of Planning Cycle		24.66	19,058,711

Notes: 1. MOU = Minutes of Use
2. CCS = Hundred Call Seconds

Umbilical Costs

VERIZON - MASSACHUSETTS

	A	B	C	D
		Monthly	Avg. Miles	-----
L1	-----			196
L2	-----	\$ 46.42		\$9,098
L3	-----	\$ 1.41	9.94	\$2,749
L4	-----			\$11,847
		Monthly	Avg. Miles	-----
L5	-----			745
L6	-----	\$ 46.42		\$34,581
L7	-----	\$ 1.41	9.94	\$10,448
L8	-----			\$45,029
L9	-----		L4D + L8D	\$56,876
L10	-----		L9 * 12	\$682,513
L11	-----	WP Part C-2,Sec 4,L12		26,012,508
L12	-----		L10 / L11	\$0.026238

Tandem Switch Total Investment

VERIZON - MASSACHUSETTS

Line #		ACCESS TANDEM		TOTAL	TOPS
		5 ESS	DMS-200		DMS-200
SCIS RESULTS:					
(Lines 1 to 8)					
1.	Getting Started	4,522,742	1,046,084	5,568,826	523,042
2.	SM 2000 EPHC	6,413,573			
3.	A+C				
4.	LINE CCS				
5.	Term Call				
6.	Tdm Trunk CCS	22,900,677	8,074,635	30,975,312	645,614
7.	SS7 Link	35,540	151,535	187,075	8,916
8.	-----	33,872,532	9,272,254	43,144,786	1,177,572
(Sum L1 to L7)				0	
9.	Total NTS (L3 + L6)	\$ 22,900,677	\$ 8,074,635	30,975,312	\$ 645,614
10.	Total TS (Usage) (L8 - L9)	\$ 10,971,855	\$ 1,197,619	12,169,474	\$ 531,958

Tandem Minutes of Use

VERIZON - MASSACHUSETTS

Line	A	B	C	D	E	F
		No. Digital Trunks	BH CCS / Trunk	BH MOU / Trunk (C * 100/60)	Total BH CCS (B * C)	Planning point (B *D* 0.962)
Tandems						
1	5ESS	547,710	17.74	29.57	9,716,375	15,578,589
2	DMS	113,000	17.88	29.80	2,020,440	3,239,439
3	TOTAL			28.48		18,818,027
TOPS						
4	DMS	9,035	5.96	9.93	53,849	86,337.26

RTU Cost per MOU - Local Switching

VERIZON - MASSACHUSETTS

LINE#	ITEM A	SOURCE B	C
1	Total Material Investment	WP Part C-2, Sec 4, Pg 1, L23	\$398,510,690
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-2, Sec 4, Pg 2, L12	26,012,508
3	Total Material Investment per BH MOU	L1/L2	\$15.31996
4	Digital Switch EFI Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$6.169350
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$1.259274
8	Total In-Place Investment	L3+L5+L7	\$22.748587
9	Right-To -Use Factor	Part G-9	0.0197
10	Right -To-Use Cost per MOU(BH)	L8 * L9	\$ 0.448147

RTU Cost per MOU - Tandem Switching

VERIZON - MASSACHUSETTS

1	Total Material Investment	WP Part C-2, Sec 5, Pg 1, L8	\$43,144,786
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-2, Sec 5, Pg 2, L3	18,818,027
3	Total Material Investment per BH MOU	L1/L2	\$2.29274
4	Digital Switch EFI Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$0.923285
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.188459
8	Total In-Place Investment	L3+L5+L7	\$3.404481
9	Right-To -Use Factor	Part G-9	0.0197
10	Right -To-Use Cost per MOU(BH)	L8 * L9	\$ 0.067068

LOCAL SWITCHING
VERIZON - MASSACHUSETTS
FEATURES INCLUDED IN LOCAL SWITCH USAGE

LINE	ITEM A	ITEM B	ITEM C
1	Authorization Codes	Call Forwarding Variable	Time Key
2	Automatic Route Selection-basic/delux/frt	Call Forwarding Busy Line	Feature Access
3	Automatic Route Selection TOD Routing	Call Forwarding Does Not Answer	CF on 2nd Number
4	Call Park	Call Hold	CFB/DA Split
5	Call Transfer Individual All Calls	Call Pick-Up Groups	Music on Queue UCD
6	Call Waiting Terminating All Calls	Speed Calling Short List	Add on Module
7	Calling Name Display	Trunk Answer Any Line	ARS Pattern
8	Circular Hunting	Last Number Dialed	Feature Display
9	Dial Call Waiting	Directed Call Pick Up W/O Barge-In	Malicious Call Hold
10	Directed Call Pick Up Barge-In	Privacy Release	Code Restriction
11	Executive Busy Override	Calling Number Display	
12	ARS Expansive Route Warning Tone	Multiple Appear Directory Number	
13	Music on Hold	Multiple Call Arrangement	
14	Network Speed Calling (DMS Only)	Single Call Arrangement	
15	Series Hunting	Call Back Queing	
16	Speed Calling Long List	Automatic Answer Back	
17	Time of Day Network Class of Service Routing	Automatic Call Back	
18	Uniform Call Distribution	Automatic Line (Hot Line)	
19	1010XXX + 1 Blocking		
20	All Call Blocking		
21	Billed Number Screening		
22	Blocking of Pay-Per-Call services		
23	Call Forward/Busy		
24	Call Forward/Don't Answer		
25	Call Forward/Variable		
26	Call Park - Directed Call Park		
27	Call Waiting		
28	Custom Ringing (Ringmate)		
29	International Direct Dialing Blocking		
30	Limited InterLATA Dialing		
31	Line Side Answer Supervision		
32	One Way Restore		
33	One way Service (Incoming Only)		
34	Outward Call Screening		
35	Per-Call Blocking		
36	Speed Calling		
37	Subscriber Activated Call Blocking		
38	Suspend and Restore		
39	Add-On Consultation Hold		
40	Bridging		
41	Call Forwarding		
42	Call Forwarding Busy		
43	Call Forwarding Busy Don't Answer		
44	Call Forwarding Busy Incoming		
45	Call Forwarding Don't Answer Incoming Only		
46	Call Forwarding Incoming Only		
47	Call Forwarding Intra Group Only		
48	Call Transfer Individual - All Calls		
49	Call Transfer Internal		
50	Call Transfer Internal Individual Incoming Only		
51	Calling Number Delivery		
52	Calling Number Delivery - Blocking		
53	Circular Hunting		
54	Feature Display		
55	Multiline Hunting		
56	Series Completion		
57	Short Hunt		
58	Time and Date Display		
59	Voice/Data Protection		
60	Call By Call Service Selection		

Part C-3 Section Index

Section

Switching

- 1 Switch Usage For Reciprocal Compensation (per MOU)

Trunks

- 2 Common Trunk For Reciprocal Compensation (per MOU)

Transport

- 3 Common Transport For Reciprocal Compensation (Separate File)

Supporting Workpapers

- 4 SCIS End Office Results
- 5 SCIS Tandem Office Results
- 6 Non-Conversation Time Adjustments
- 7 Busy Hour to Annual Ratio

should not

<i>Input</i>	<i>Reference</i>	<i>Value</i>
Digital Switch EFI Factor	VCOST	0.402700
Power Factor	VCOST	0.058600
Digital Switch ACF	VCOST	0.318264
Land Factor	VCOST	0.003000
Land ACF	VCOST	0.281083
Building Factor	VCOST	0.074900
Building ACF	VCOST	0.410755
Common Overhead Factor	VCOST	0.080300
Gross Revenue Loading Factor	VCOST	0.002707
Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
Fixed Monthly Cost of DS-1 Transport	Part D-6	\$ 46.42
Variable Monthly Cost of DS-1 Transport, per Mile	Part D-6	\$ 1.41
Office to Tandem Miles	V & H Calculated	16.03
Umbilical to Host Miles	V & H Calculated	9.94
Hosts	SCIS INPUT STATISTICS	133
Tandems	SCIS INPUT STATISTICS	9
SS7 Cost per MOU	Part E	\$ 0.000052

RECALCULATED VZ-MA STUDY WITH CORRECTED DEFRAGMENTED DATABASE;
CORRECTED 5ESS IDLC PORT INVESTMENT; AND VZ-MA CORRECTIONS TO TRUNK MOU
AND REALLOCATION OF NTS TO PORTS

Summary

Reciprocal Compensation Elements

	End Office	Tandem
Switching (avg)	0.0007775	0.0001317
Switching - Orig	N/A	
Switching - Term	0.0007231	

Common Trunk 0.001240 0.0005717

VZ As-Filed

Switching (avg)	0.0011295	0.0001317
Switching - Orig	N/A	
Switching - Term	0.0010505	

Common Trunk* 0.000705 0.0005717

Common Trunk includes corrections by VZ in response to ATT 4-46.

Difference

Switching (avg)	-31%	0%
Switching - Orig	N/A	
Switching - Term	-31%	
Common Trunk*	76%	0%

Switch Usage For Reciprocal Compensation
VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
End Office			
1	Originating End Office Usage	N/A	N/A
2	Terminating End Office Usage	WP: Part C-3, Sec 1, Pg 1, L36	\$0.000723
Tandem			
3	Tandem Usage	WP: Part C-3, Sec 1, Pg 2, L29	\$0.000132

Local Switch Usage For Reciprocal Compensation

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	C
1	TS Direct Material Investment	WP Part C-3, Sec 4, Pg 1, L25	\$89,868,947
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-3, Sec 4, Pg 2, L12	26,012,508
3	Material Investment per BH MOU	L1/L2	\$3.45484
4	Digital Switch EFI Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.391262
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.283981
8	Total In-Place Investment	L3+L5+L7	\$5.130080
9	Digital Switch ACF	VCOST	0.318263529
10	Annual Digital Switch Cost	L8 x L9	\$1.632717
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.015390
13	Land ACF	VCOST	0.281083327
14	Annual Land Cost	L12 x L13	\$0.004326
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.384243
17	Building ACF	VCOST	0.410755193
18	Annual Building Cost	L16 x L17	\$0.157830
19	RTU per MOU	N/A	\$0.000000
20	Total TELRIC Annual Cost	(L10+L14+L18+L19)	\$1.794873
21	Common Overhead Factor	VCOST	0.0803
22	Common Overhead Annual Cost	L20 x L21	\$0.144128
23	Gross Revenue Loading Factor	VCOST	0.0027073
24	Gross Revenue Annual Cost	(L20+L22) x L23	\$0.005249
25	Umbilical Cost per BH MOU	WP Part C-3, Sec 4, Pg 3, L12	\$ 0.026238
26	Total Cost per BH MOU	L20+L22+L24+L25	\$1.97
27	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
28	Cost per AHD MOU	L26*L27	\$0.000652
29	Non Conversation Time Adjustment	WP Part C-3, Sec 6, Pg 1, L16	1.113
30	Total Switching Cost per MOU	L28*L29	\$0.000726
31	SS7 cost per MOU	Part E	\$0.000052
32	Total Cost per Mou	L30 + L31	\$0.000778
33	Originating to Average Ratio	N/A	N/A
34	Originating MOU	N/A	N/A
35	Terminating to Average Ratio	Service Costs	0.930000
36	Terminating MOU	L32*L35	\$0.000723

Tandem Switch Usage For Reciprocal Compensation

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	TANDEM C
1	TS Direct Material Investment	WP Part C-3, Sec 5, Pg 1, L10	\$13,320,623.00
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-3, Sec 5, Pg 2, L3	18,818,027
3	Material Investment per BH MOU	L1/L2	\$0.70787
4	Digital Switch EFI Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$0.285057
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.058185
8	Total In-Place Investment	L3+L5+L7	\$1.051107
9	Digital Switch ACF	VCOST	0.318263529
10	Annual Digital Switch Cost	L8 x L9	\$0.334529
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.003153
13	Land ACF	VCOST	0.281083327
14	Annual Land Cost	L12 x L13	\$0.000886
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.078728
17	Building ACF	VCOST	0.410755193
18	Annual Building Cost	L16 x L17	\$0.03234
19	RTU per MOU	N/A	\$0.000000
20	Total TELRIC Annual Cost	(L10+L14+L18+L19)	\$0.367753
21	Common Overhead Factor	VCOST	0.0803
22	Common Overhead Annual Cost	L20 x L21	\$0.029531
23	Gross Revenue Loading Factor	VCOST	0.0027073
24	Gross Revenue Annual Cost	(L20+L22) x L23	\$0.001076
25	Total Switching Cost per BH MOU	L20+L22+L24	\$0.40
26	SS7 cost per MOU	Part E	\$0.000052
27	Total Tandem Cost per BH MOU	L25 + L26	\$0.40
28	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
29	Cost per AHD MOU	L26*L27	\$0.000132

Common Trunk For Reciprocal Compensation
VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
End Office			
1	Common End Office Trunk	WP: Part C-3, Sec 2, Pg 1, L6	\$0.001240
Tandem			
2	Common Tandem Trunk	WP: Part C-3, Sec 2, Pg 2, L6	\$0.000572

Common End Office Trunk For Reciprocal Compensation

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	VALUE C
1	Monthly Cost - End Office Trunk (DS-0)	(Exh Part C-1 Sec 5 Page 1) / 24	\$ 7.71
2	BH MOU per Trunk	WP Part 3-2, Sec 4, Pg 2, L18	24.66
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
4	Annual MOU	L2/L3	74,575.60
5	Monthly MOU	L4/12	6,214.63
6	Cost per MOU	L1/L5	\$ 0.001240

Common Tandem Trunk For Reciprocal Compensation

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	VALUE C
1	Monthly Cost - Tandem Trunk (DS-0)	(Exh Part C-1, Sec 6, Page 1, L4) / 24	\$4.10
2	Tandem BH MOU per Trunk	WP Part C-3, Sec 5, Pg 2, L3D	28.48
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
4	Annual MOU	L2/L3	86,131
5	Monthly MOU	L4/12	7,177.57
6	Cost per MOU	L1/L5	\$ 0.000572

SCIS End Office Direct Material Investment

VERIZON - MASSACHUSETTS

Line #	SCIS Non ISDN:	A 5 ESS	B DMS	C Meld
1.	Getting Started	0	0	0
2.	SM 2000 EPHC	36024789		36024789
3.	Line Term. A+C+D	150508283	59616910	210125193
4.	LINE CCS	50951958	23646433	74598391
5.	Term Call	0	0	0
6.	Trunk CCS	39468836	24045548	63514384
7.	SS7 Link	736089	1693509	2429598
8.	UMBILICAL TRUNK CCS		1,734,901	1734901
9.	-----	\$ 277,689,955	\$ 110,737,301	\$ 388,427,256
	(Sum L1 to L8)			
SCIS ISDN Investments:				
10.	SM 2000 Real Time EPHC	6670743		6670743
11.	BRI - U Card	12702850	2980920	15683770
12.	ISDN LINE CCS	4019406	521621	4541027
13.	PRI D CHANNEL	1638908	440496	2079404
14.	PRI B CHANNEL	5799056	5079210	10878266
15.	D CH. ACC. PPS	4425144	715082	5140226
16.	PPB CH. ACCESS PPS		486415	486415
17.	INTER-SWITCH PPS	753807	163329	917136
18.	XAT PPS	21253		21253
19.	ADD'L BRI PPB CH.		794180	794180
20.	ADD'L D CH. TERM.		423746	423746
21.	ADD'L XAT Channel	271705		271705
22.	-----	\$ 36,302,872	\$ 11,604,999	\$ 47,907,871
	(Sum L10 to L21)			
23.	Total Local Switch - SCIS (L9 + L22)	\$ 313,992,827	\$ 122,342,300	\$ 436,335,127
24.	Total NTS (L23 - L25)	\$ 253,085,170	\$ 93,381,010	\$ 346,466,180
25.	Total TS (Usage) (L4+ L7 + L8 + L12 + L15 + 16 + L17 + L18)	\$ 60,907,657	\$ 28,961,290	\$ 89,868,947

End Office Minutes of Use

VERIZON - MASSACHUSETTS

	A	B	C	
Line	Number of Lines	Zone 1A CCS per Line	TOTAL CCS	
A. End Office Lines:				
5ESS CCS:				
1	POTS Lines	2562505	3.72	9532519
2	ISDN BRI Lines	52568	8.98	472061
3	POTS Lines on ISDN Interface			0
4	5ESS CCS TOTAL			10,004,579
5	5ESS MOU TOTAL (= CCS * 100 / 60)			16,674,299
DMS-100 CCS:				
Number of Lines				
CCS per Line				
TOTAL CCS				
6	POTS Lines	1922925	3.79	7287886
7	ISDN BRI Lines	13601	9.31	126625
8	POTS Lines on ISDN Interface			0
9	DMS-100 CCS TOTAL			7,414,511
10	DMS-100 MOU TOTAL (= CCS * 100 / 60)			12,357,518
Total				
11	5ESS & DMS-100 CCS			17,419,090
12	5ESS & DMS-100 MOU at Midpoint of Planning Cycle (= CCS * 100 / 60)*0.896)			26,012,508
13	Annual to Busy Hour Ratio		0.000331	
14	Annual MOUs	(=BH MOU/ABHR)		78,664,331,970
B. End Office Trunks:				
15	5ESS	482733	15.88	7,665,800
16	DMS-100	290112	14.55	4,221,130
17	Digital Trunk CCS /Trunk		15.38	11,886,930
18	Digital Trunk MOU at Midpoint of Planning Cycle		24.66	19,058,711

Notes: 1. MOU = Minutes of Use
2. CCS = Hundred Call Seconds

Umbilical Costs

VERIZON - MASSACHUSETTS

	A	B	C	D
		Monthly	Avg. Miles	-----
L1	-----			196
L2	-----	\$ 46.42		\$9,098
L3	-----	\$ 1.41	9.94	\$2,749
L4	-----			\$11,847
		Monthly	Avg. Miles	-----
L5	-----			745
L6	-----	\$ 46.42		\$34,581
L7	-----	\$ 1.41	9.94	\$10,448
L8	-----			\$45,029
L9	-----		L4D + L8D	\$56,876
L10	-----		L9 * 12	\$682,513
L11	-----	WP Part 2,Sec 4,L12C		26,012,508
L12	-----		L10 / L11	\$0.026238

Tandem Switch Direct Investment

VERIZON - MASSACHUSETTS

Line #	ACCESS TANDEMS			TOTAL
	5 ESS	DMS-200		
SCIS RESULTS:				
(Lines 1 to 8)				
1.	Getting Started	0	0	0
2.	SM 2000 EPHC	13,096,516		
3.	A+C			
4.	LINE CCS			
5.	Term Call			
6.	Tdm Trunk CCS	46,763,182	8,074,635	54,837,817
7.	SS7 Link	72,572	151,535	224,107
8.	-----	59,932,270	8,226,170	68,158,440
(Sum L1 to L7)				
				0
9.	Total NTS (L3 + L6)	\$ 46,763,182	\$ 8,074,635	54,837,817
10.	Total TS (Usage) (L8 - L9)	\$ 13,169,088	\$ 151,535	13,320,623

Tandem Minutes of Use

VERIZON - MASSACHUSETTS

Line	A	B	C	D	E	F
		No. Digital Trunks	BH CCS / Trunk	BH MOU / Trunk (C * 100/60)	Total BH CCS (B * C)	Planning point (B * D * 0.896)
	Tandems					
1	5ESS	547,710	17.74	29.57	9,716,375	15,578,589
2	DMS	113,000	17.88	29.80	2,020,440	3,239,439
3	TOTAL	660,710		28.48		18,818,027

Non-Conversation Time Adjustments

VERIZON - MASSACHUSETTS

LINE#	ITEM A	SOURCE B	5ESS C	DMS D
1	Average BH CCS per Main Station - Analog Lines	SCIS Input Statistics	3.720	3.790
2	Average BH Calls per Main Station - Analog Lines	SCIS Input Statistics	2.360	2.180
3	Average Holding Time (in sec) per BH Call - Analog Lines	L1/L2*100	157.627	173.853
4	Average BH CCS per Main Station - Digital Lines	SCIS Input Statistics	3.720	3.790
5	Average BH Calls per Main Station - Digital Lines	SCIS Input Statistics	2.360	2.180
6	Average Holding Time (in sec) per BH Call - Digital Lines	L4/L5	157.627	173.853
7	Analog Lines	SCIS Input Statistics	1921950	1442194
8	Digital Lines	SCIS Input Statistics	640555	480731
9	Percent Analog Lines	L7/ (L7C-D+L8C-D)	42.85%	32.15%
10	Percent Digital Lines	L8/ (L7C-D +L8C-D)	14.28%	10.72%
11	Weighted Average Holding Time by Technology	L3*L9 + L6*L10	90.052	74.532
12	Weighted Average Holding Time	L11C+L11D+L11E	164.583	
13	NCT per Attempt	Call Setup Analysis	13.36	
14	Completion Ratio	Call Setup Analysis	0.715	
15	Total NCT per Call	L13 / L14	18.679	
16	NCT Adjustment Factor	(L12 + L15)/L12	1.113	

Busy Hour to Annual Conversion Factor

VERIZON - MASSACHUSETTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Number of days in a year	calendar	365
2	Number of Saturdays and Sundays	2*52weeks	104
3	Number of Holidays	calendar	10
4	Number of Average Business Days (ABD)	L1-L2-L3	251
5	Busy Hour (BH) to All Hours of Day (AHD)	Service Costs	0.083
6	Busy Hour to Annual Conversion Factor	L5/L4	0.000331

Part C-1 Section Index

Section	<i>Ports</i>
1	Analog Line Port
2	Line Port
3	Analog Coin Port
4	Coin Port
5	End Office Trunk Port
5.1	Integrated Digital Loop Carrier Port
5.2	DS-1 Line Port
6	Tandem Trunk Port
6.1	TOPS Trunk Port
7	ISDN BRI Port
8	ISDN PRI Port

Centrex Features

9	Centrex Intercom (per Centrex Line)
10	Centrex Announcement (per Centrex Line)
11	3-Way Conference (per Centrex Line)
12	Automatic Callback (per Centrex Line)
13	Distinctive Ringing (per Centrex Line)
14	Loudspeaker Paging (per Trunk)
15	Meet-Me Conference (per Group)
16	Selective Call Acceptance (per Centrex Line)
17	Selective Call Forwarding (per Centrex Line)
18	Selective Call Rejection (per Centrex Line)
19	Six Way Conference (per Centrex Line)
20	Station Message Detail Record to Premise (per Group)

Part C-1 Section Index

Section *Individual Line Features*

- 21 Three-way Calling (per Line)
- 22 Remote Call Forwarding (per Line)
- 23 Calling Number Delivery (per Line)
- 24 Calling Number and Name Delivery (per Line)
- 25 Call Waiting Display Number (per Line)
- 26 Call Waiting Display Name (per Line)
- 27 Anonymous Call Rejection (per Line)
- 28 Automatic Recall (Call Return) (per Line)

ISDN Features

- 29 Circuit Switched Voice Intercom (ISDN) (per Terminal)
- 30 Circuit Switched Voice (ISDN) - Announcement (per Terminal)
- 31 Six-way Conference Calling (ISDN) (per Terminal)
- 32 Three-way Calling (ISDN) (per Terminal)
- 33 Calling Number Delivery (ISDN) (per Directory Number)
- 34 Calling Name Delivery (ISDN) (per PRI)

Misc. Features

- 35 Not Used
- 36 Not Used
- 37 Simplified Message Desk Interface (SMDI)

Supporting Workpapers

- 38 Utilization Adjustment Factors
- 39 Switch Material Investments
- 40 Coin Port Differential

RECALCULATED VZ-MA STUDY WITH CORRECTED DEFRAGMENTED DATABASE;
CORRECTED BSS IDLC PORT INVESTMENT; AND VZ-MA CORRECTIONS TO TRUNK MOD
AND REALLOCATION OF NTS TO PORTS

Section		Corrected VZ-as File		Difference
	Ports			
1	Analog Line Port	\$ 4.45	\$ 2.53	76%
2	Weighted Line Port	\$ 4.51	\$ 2.57	76%
3	Analog Coin Port	\$ 5.14	\$ 2.92	76%
4	Weighted Coin Port	\$ 5.06	\$ 2.88	76%
5	End Office Trunk Port	\$ 185.00	\$ 105.12	76%
5.1	Integrated Digital Loop Carrier Port	\$ 242.92	\$ 247.10	-2%
5.2	DS-1 Line Port	\$ 60.73	\$ 61.77	-2%
6	Tandem Trunk Port	\$ 98.48	\$ 98.48	0%
6.1	TOPS Trunk Port	\$ 84.79	\$ 84.79	0%
7	ISDN BRI Port	\$ 20.60	\$ 11.71	76%
8	ISDN PRI Port	\$ 178.80	\$ 101.65	76%
	Centrex Features			
9	CTX Intercom	\$ 0.21	\$ 0.58	-64%
10	CTX Announcement	\$ 0.48	\$ 0.48	0%
11	3-Way Conference (CTX)	\$ 0.22	\$ 0.22	0%
12	Automatic Callback (CTX)	\$ 0.19	\$ 0.19	0%
13	Distinctive Ringing (CTX)	\$ 0.02	\$ 0.02	0%
14	Loudspeaker Paging (CTX)	\$ 6.55	\$ 6.55	0%
15	Meet-Me Conference (CTX)	\$ 0.13	\$ 0.13	0%
16	Selective Call Acceptance (CTX)	\$ 0.03	\$ 0.03	0%
17	Selective Call Forwarding (CTX)	\$ 0.01	\$ 0.01	0%
18	Selective Call Rejection (CTX)	\$ 0.17	\$ 0.17	0%
19	Six Way Conference (CTX)	\$ 0.86	\$ 0.86	0%
20	Station Message Detail Record to Premise (CTX)	\$ 12.77	\$ 12.77	0%
	Individual Line Features			
21	Three-way Calling	\$ 0.22	\$ 0.22	0%
22	Remote Call Forwarding	\$ 1.41	\$ 1.41	0%
23	Calling Number Delivery	\$ 0.19	\$ 0.19	0%
24	Calling Number and Name Delivery	\$ 0.24	\$ 0.24	0%
25	Call Waiting Display Number	\$ 0.19	\$ 0.19	0%
26	Call Waiting Display Name	\$ 0.19	\$ 0.19	0%
27	Anonymous Call Rejection	\$ 0.03	\$ 0.03	0%
28	Automatic Recall (Call Return)	\$ 0.20	\$ 0.20	0%
	ISDN Features			
29	Circuit Switched Voice (ISDN)	\$ 5.02	\$ 13.82	-64%
30	ISDN Announcement	\$ 6.07	\$ 6.07	0%
31	Six-way Conference Calling (ISDN)	\$ 0.52	\$ 0.52	0%
32	Three-way Calling (ISDN)	\$ 0.22	\$ 0.22	0%
33	Calling Number Delivery (ISDN)	\$ -	\$ -	0%
34	Calling Name Delivery (ISDN)	\$ 1.11	\$ 1.11	0%
	Misc.			
35	Not Used			
36	Not Used			
37	Simplified Message Desk Interface (SMDI)	\$ 193.99	\$ 193.99	0%

Analog Line Port
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 1, Pg 1, L19	\$4.1107
2	Common Overhead	WP: Part C-1, Sec 1, Pg 1, L21	\$0.3301
3	Gross Revenue Loading	WP: Part C-1, Sec 1, Pg 1, L23	\$0.0120
4	Total Monthly Cost	L1 + L2 + L3	\$4.4528

Analog Line Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 1, L 1.3	\$92.9436
2	Analog Line Utilization Adjustment	WP Part C-1, Sect 38, Pg 2, L3	0.978883
3	Adjusted Material Investment	L1/L2	\$94.9487
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$38.2358
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$7.8046
8	Total In-Place Investment	L3+L5+L7	\$140.9891
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$44.8717
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.4230
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.1189
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$10.5601
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$4.3376
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$4.1107
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.3301
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0120
24	Total Monthly Cost	L19+L21+L23	\$4.4528

Line Port
VERIZON - MASSACHUSETTS
SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 2, Pg 1, L19	\$4.1654
2	Common Overhead	WP: Part C-1, Sec 2, Pg 1, L21	\$0.3345
3	Gross Revenue Loading	WP: Part C-1, Sec 2, Pg 1, L23	\$0.0122
4	Total Monthly Cost	L1 + L2 + L3	\$4.5120

Line Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 1, L 2.3	\$91.3267
2	Line Utilization Adjustment	WP Part C-1, Sect 38, Pg 3, L3	0.949223
3	Adjusted Material Investment	L1/L2	\$96.2121
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$38.7446
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$7.9085
8	Total In-Place Investment	L3+L5+L7	\$142.8651
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$45.4688
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.4286
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.1205
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$10.7006
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$4.3953
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$4.1654
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.3345
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0122
24	Total Monthly Cost	L19+L21+L23	\$4.5120

Analog Coin Port
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 3, Pg 1, L19	\$4.7430
2	Common Overhead	WP: Part C-1, Sec 3, Pg 1, L21	\$0.3809
3	Gross Revenue Loading	WP: Part C-1, Sec 3, Pg 1, L23	\$0.0139
4	Total Monthly Cost	L1 + L2 + L3	\$5.1377

Analog Coin Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 1, L 3.7	107.2404
2	Analog Line Utilization Adjustment	WP Part C-1, Sect 38, Pg 2, L3	0.978883
3	Adjusted Material Investment	L1/L2	\$109.5539
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$44.1173
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$9.0051
8	Total In-Place Investment	L3+L5+L7	\$162.6764
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$51.7739
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.4880
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.1372
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$12.1845
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$5.0048
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$4.7430
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.3809
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0139
24	Total Monthly Cost	L19+L21+L23	\$5.1377

Coin Port
VERIZON - MASSACHUSETTS
SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 4, Pg 1, L19	\$4.6742
2	Common Overhead	WP: Part C-1, Sec 4, Pg 1, L21	\$0.3753
3	Gross Revenue Loading	WP: Part C-1, Sec 4, Pg 1, L23	\$0.0137
4	Total Monthly Cost	L1 + L2 + L3	\$5.0632

Coin Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 1, L 4.7	\$102.4834
2	Line Utilization Adjustment	WP Part C-1, Sect 38, Pg 3, L3	0.949223
3	Adjusted Material Investment	L1/L2	\$107.9656
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$43.4777
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$8.8746
8	Total In-Place Investment	L3+L5+L7	\$160.3179
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$51.0233
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.4810
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.1352
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$12.0078
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$4.9323
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$4.6742
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.3753
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0137
24	Total Monthly Cost	L19+L21+L23	\$5.0632

End Office Trunk Port
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 5, Pg 1, L19	\$170.7884
2	Common Overhead	WP: Part C-1, Sec 5, Pg 1, L21	\$13.7143
3	Gross Revenue Loading	WP: Part C-1, Sec 5, Pg 1, L23	\$0.4995
4	Total Monthly Cost	L1 + L2 + L3	\$185.0022

End Office Trunk Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 1, L 5.4	\$3,719.1045
2	Digital Trunk Utilization Adjustment	WP Part C-1, Sect 38, Pg 4, L5	0.942768
3	Adjusted Material Investment	L1/L2	\$3,944.8757
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1,588.6015
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$324.2618
8	Total In-Place Investment	L3+L5+L7	\$5,857.7389
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1,864.3047
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$17.5732
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$4.9395
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$438.7446
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$180.2166
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$170.7884
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$13.7143
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.4995
24	Total Monthly Cost	L19+L21+L23	\$185.0022

Integrated Digital Loop Carrier Port
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 5A, Pg 1, L19	\$224.2583
2	Common Overhead	WP: Part C-1, Sec 5A, Pg 1, L21	\$18.0079
3	Gross Revenue Loading	WP: Part C-1, Sec 5A, Pg 1, L23	\$0.6559
4	Total Monthly Cost	L1 + L2 + L3	\$242.9221

Integrated Digital Loop Carrier Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 4, L 35.5	\$4,883.4695
2	Digital Trunk Utilization Adjustment	WP Part C-1, Sect 38, Pg 4, L5	0.942768
3	Adjusted Material Investment	L1/L2	\$5,179.9244
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$2,085.9555
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$425.7806
8	Total In-Place Investment	L3+L5+L7	\$7,691.6605
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$2,447.9750
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$23.0750
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$6.4860
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$576.1054
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$236.6383
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$224.2583
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$18.0079
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.6559
24	Total Monthly Cost	L19+L21+L23	\$242.9221

DS-1 Line Port
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 5.2, Pg 1, L19	\$56.0646
2	Common Overhead	WP: Part C-1, Sec 5.2, Pg 1, L21	\$4.5020
3	Gross Revenue Loading	WP: Part C-1, Sec 5.2, Pg 1, L23	\$0.1640
4	Total Monthly Cost	L1 + L2 + L3	\$60.7305

DS-1 Line Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 4, L 35.4	\$1,220.8674
2	Digital Trunk Utilization Adjustment	WP Part C-1, Sect 38, Pg 4, L5	0.942768
3	Adjusted Material Investment	L1/L2	\$1,294.9811
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$521.4889
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$106.4451
8	Total In-Place Investment	L3+L5+L7	\$1,922.9151
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$611.9938
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$5.7687
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$1.6215
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$144.0263
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$59.1596
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$56.0646
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$4.5020
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.1640
24	Total Monthly Cost	L19+L21+L23	\$60.7305

Tandem Trunk Port
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 6, Pg 1, L19	\$90.9179
2	Common Overhead	WP: Part C-1, Sec 6, Pg 1, L21	\$7.3007
3	Gross Revenue Loading	WP: Part C-1, Sec 6, Pg 1, L23	\$0.2659
4	Total Monthly Cost	L1 + L2 + L3	\$98.4845

Tandem Trunk Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 5, L 1.4	\$1,991.9597
2	Tandem Trunk Utilization Adjustment	WP Part C-1, Sect 38, Pg 4, L6	0.948541
3	Adjusted Material Investment	L1/L2	\$2,100.0243
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$845.6798
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$172.6183
8	Total In-Place Investment	L3+L5+L7	\$3,118.3224
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$992.4483
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$9.3550
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$2.6295
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$233.5623
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$95.9369
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$90.9179
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$7.3007
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.2659
24	Total Monthly Cost	L19+L21+L23	\$98.4845

TOPS Trunk Port
VERIZON - MASSACHUSETTS
SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 6.1, Pg 1, L19	\$78.2753
2	Common Overhead	WP: Part C-1, Sec 6.1, Pg 1, L21	\$6.2855
3	Gross Revenue Loading	WP: Part C-1, Sec 6.1, Pg 1, L23	\$0.2289
4	Total Monthly Cost	L1 + L2 + L3	\$84.7897

TOPS Trunk Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 5, L 2.4	\$1,714.9668
2	DMS Tandem Trk Utilization Adjust.	WP Part C-1, Sect 38, Pg 4, L4	0.948541
3	Adjusted Material Investment	L1/L2	\$1,808.0045
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$728.0834
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$148.6147
8	Total In-Place Investment	L3+L5+L7	\$2,684.7026
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$854.4429
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$8.0541
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$2.2639
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$201.0842
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$82.5964
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$78.2753
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$6.2855
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.2289
24	Total Monthly Cost	L19+L21+L23	\$84.7897

ISDN BRI Port
VERIZON - MASSACHUSETTS
SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 7, Pg 1, L19	\$19.0149
2	Common Overhead	WP: Part C-1, Sec 7, Pg 1, L21	\$1.5269
3	Gross Revenue Loading	WP: Part C-1, Sec 7, Pg 1, L23	\$0.0556
4	Total Monthly Cost	L1 + L2 + L3	\$20.5974

ISDN BRI Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 1, L 6.3	\$416.9057
2	Line Utilization Adjustment	WP Part C-1, Sect 38, Pg 3, L3	0.949223
3	Adjusted Material Investment	L1/L2	\$439.2071
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$176.8687
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$36.1020
8	Total In-Place Investment	L3+L5+L7	\$652.1778
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$207.5644
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$1.9565
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.5499
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$48.8481
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$20.0646
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$19.0149
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$1.5269
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0556
24	Total Monthly Cost	L19+L21+L23	\$20.5974

ISDN PRI Port
VERIZON - MASSACHUSETTS
SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 8, Pg 1, L19	\$165.0650
2	Common Overhead	WP: Part C-1, Sec 8, Pg 1, L21	\$13.2547
3	Gross Revenue Loading	WP: Part C-1, Sec 8, Pg 1, L23	\$0.4828
4	Total Monthly Cost	L1 + L2 + L3	\$178.8025

ISDN PRI Port

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 1, L7.7F	\$3,594.4707
2	Digital Trunk Utilization Adjustment	WP Part C-1, Sect 38, Pg 4, L5	0.942768
3	Adjusted Material Investment	L1/L2	\$3,812.6759
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1,535.3646
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$313.3952
8	Total In-Place Investment	L3+L5+L7	\$5,661.4356
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1,801.8285
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$16.9843
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$4.7740
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$424.0415
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$174.1773
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$165.0650
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$13.2547
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.4828
24	Total Monthly Cost	L19+L21+L23	\$178.8025

Centrex Intercom (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	Total Monthly Cost	WP: Part C-1, Sec 9, Pg 1, L9	\$0.2090

Centrex Intercom (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	BH Intragroup CCS per Line	Product Management	0.5
2	BH Intragroup MOU per Line	L1 x 100 / 60	0.8
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 8 Pg 1, L6	0.000331
4	Annual Intragroup MOU	L2 / L3	2,520.08
5	Monthly Intragroup MOU	L4 / 12	210.01
6	UNE End Office Orig. Usage Rate	Exh Part C-2, Sect 1, Pg 1, L1	0.001060
7	UNE End Office Term. Usage Rate	Exh Part C-2, Sect 1, Pg 1, L2	0.000930
8	UNE End Office Average Usage Rate	(L6 + L7) / 2	\$0.000995
9	Monthly Intercom Costs per Line	L5 x L8	\$0.208974

Centrex Announcement (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 10, Pg 1, L19	\$0.4425
2	Common Overhead	WP: Part C-1, Sec 10, Pg 1, L21	\$0.0355
3	Gross Revenue Loading	WP: Part C-1, Sec 10, Pg 1, L23	\$0.0013
4	Total Monthly Cost	L1 + L2 + L3	\$0.4794

Centrex Announcement (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment Per Group	WP: Part C-1, Sec 39, Pg 2, L 10	\$255.5429
2	Lines per Group	Product Management	25
3	Material Investment Per Line	L1/L2	\$10.2217
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$4.1163
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.8402
8	Total In-Place Investment	L3+L5+L7	\$15.1782
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$4.8307
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0455
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0128
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$1.1368
17	Building ACF	VCOST	0.410755193
18	Annual Building Cost	L16 x L17	\$0.4670
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.4425
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0355
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0013
24	Total Monthly Cost	L19+L21+L23	\$0.4794

3-Way Conference (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 11, Pg 1, L19	\$0.2063
2	Common Overhead	WP: Part C-1, Sec 11, Pg 1, L21	\$0.0166
3	Gross Revenue Loading	WP: Part C-1, Sec 11, Pg 1, L23	\$0.0006
4	Total Monthly Cost	L1 + L2 + L3	\$0.2234

3-Way Conference (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 11	\$4.7641
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$4.7641
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.9185
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.3916
8	Total In-Place Investment	L3+L5+L7	\$7.0743
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$2.2515
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0212
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0060
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.5299
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.2176
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.2063
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0166
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0006
24	Total Monthly Cost	L19+L21+L23	\$0.2234

Automatic Callback (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 12, Pg 1, L19	\$0.1776
2	Common Overhead	WP: Part C-1, Sec 12, Pg 1, L21	\$0.0143
3	Gross Revenue Loading	WP: Part C-1, Sec 12, Pg 1, L23	\$0.0005
4	Total Monthly Cost	L1 + L2 + L3	\$0.1924

Automatic Callback (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 12	\$4.1032
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$4.1032
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.6524
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.3373
8	Total In-Place Investment	L3+L5+L7	\$6.0928
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.9391
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0183
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0051
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.4564
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1874
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1776
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0143
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0005
24	Total Monthly Cost	L19+L21+L23	\$0.1924

Distinctive Ringing (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 13, Pg 1, L19	\$0.0189
2	Common Overhead	WP: Part C-1, Sec 13, Pg 1, L21	\$0.0015
3	Gross Revenue Loading	WP: Part C-1, Sec 13, Pg 1, L23	\$0.0001
4	Total Monthly Cost	L1 + L2 + L3	\$0.0204

Distinctive Ringing (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 13	\$0.4358
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$0.4358
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$0.1755
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.0358
8	Total In-Place Investment	L3+L5+L7	\$0.6472
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$0.2060
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0019
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0005
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.0485
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.0199
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.0189
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0015
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0001
24	Total Monthly Cost	L19+L21+L23	\$0.0204

Loudspeaker Paging (per Trunk)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 14, Pg 1, L19	\$6.0468
2	Common Overhead	WP: Part C-1, Sec 14, Pg 1, L21	\$0.4856
3	Gross Revenue Loading	WP: Part C-1, Sec 14, Pg 1, L23	\$0.0177
4	Total Monthly Cost	L1 + L2 + L3	\$6.5500

Loudspeaker Paging (per Trunk)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 14	\$139.6687
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$139.6687
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$56.2446
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$11.4805
8	Total In-Place Investment	L3+L5+L7	\$207.3938
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$66.0059
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.6222
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.1749
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$15.5338
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$6.3806
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$6.0468
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.4856
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0177
24	Total Monthly Cost	L19+L21+L23	\$6.5500

Meet-Me Conference (per Group)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 15, Pg 1, L19	\$0.1183
2	Common Overhead	WP: Part C-1, Sec 15, Pg 1, L21	\$0.0095
3	Gross Revenue Loading	WP: Part C-1, Sec 15, Pg 1, L23	\$0.0003
4	Total Monthly Cost	L1 + L2 + L3	\$0.1281

Meet-Me Conference (per Group)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 15	\$2.7317
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$2.7317
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.1000
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.2245
8	Total In-Place Investment	L3+L5+L7	\$4.0563
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.2910
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0122
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0034
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.3038
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1248
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1183
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0095
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0003
24	Total Monthly Cost	L19+L21+L23	\$0.1281

Selective Call Acceptance (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 16, Pg 1, L19	\$0.0227
2	Common Overhead	WP: Part C-1, Sec 16, Pg 1, L21	\$0.0018
3	Gross Revenue Loading	WP: Part C-1, Sec 16, Pg 1, L23	\$0.0001
4	LIDB	WP: Part C-1, Sec 16, Pg 1, L24	\$0.0007
5	Total Monthly Cost	L1 + L2 + L3	\$0.0252

Selective Call Acceptance (per Centrex Line)

BELL ATLANTIC - NEW YORK

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 16	\$0.5238
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$0.5238
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$0.2109
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.0431
8	Total In-Place Investment	L3+L5+L7	\$0.7777
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$0.2475
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0023
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0007
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.0583
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.0239
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.0227
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0018
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0001
24	Total Monthly LIDB Cost	WP Part C-1, Sect 16, Pg 2, L4	\$0.0007
25	Total Monthly Cost	L19+L21+L23+L24	\$0.0252

Selective Call Acceptance (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Average # of LIDB Queries per Month	Product Management	2
2	LIDB Cost per Query	Part E	0.000104
3	SS7 Transport per LIDB Message	Part E	0.000223
4	Total Monthly LIDB Cost	(L2 + L3) * L1	\$0.0007

Selective Call Forwarding (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 17, Pg 1, L19	\$0.0090
2	Common Overhead	WP: Part C-1, Sec 17, Pg 1, L21	\$0.0007
3	Gross Revenue Loading	WP: Part C-1, Sec 17, Pg 1, L23	\$0.0000
4	LIDB	WP: Part C-1, Sec 17, Pg 1, L24	\$0.0007
5	Total Monthly Cost	L1 + L2 + L3	\$0.0104

Selective Call Forwarding (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 17	\$0.2083
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$0.2083
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$0.0839
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.0171
8	Total In-Place Investment	L3+L5+L7	\$0.3093
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$0.0984
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0009
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0003
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.0232
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.0095
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.0090
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0007
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0000
24	Total Monthly LIDB Cost	WP Part C-1, Sect 17, Pg 2, L4	\$0.0007
25	Total Monthly Cost	L19+L21+L23+L24	\$0.0104

Selective Call Forwarding (per Centrex Line)

BELL ATLANTIC - NEW YORK

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Average # of LIDB Queries per Month	Product Management	2
2	LIDB Cost per Query	Part E	0.000104
3	SS7 Transport per LIDB Message	Part E	0.000223
4	Total Monthly LIDB Cost	(L2 + L3) * L1	\$0.0007

Selective Call Rejection (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 18, Pg 1, L19	\$0.1602
2	Common Overhead	WP: Part C-1, Sec 18, Pg 1, L21	\$0.0129
3	Gross Revenue Loading	WP: Part C-1, Sec 18, Pg 1, L23	\$0.0005
4	LIDB	WP: Part C-1, Sec 18, Pg 1, L24	\$0.0007
5	Total Monthly Cost	L1 + L2 + L3	\$0.1742

Selective Call Rejection (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 18	\$3.7007
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$3.7007
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.4903
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.3042
8	Total In-Place Investment	L3+L5+L7	\$5.4951
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.7489
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0165
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0046
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.4116
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1691
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1602
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0129
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0005
24	Total Monthly LIDB Cost	WP Part C-1, Sect 18, Pg 2, L4	\$0.0007
25	Total Monthly Cost	L19+L21+L23+L24	\$0.1742

Selective Call Rejection (per Centrex Line)

BELL ATLANTIC - NEW YORK

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Average # of LIDB Queries per Month	Product Management	2
2	LIDB Cost per Query	Part E	0.000104
3	SS7 Transport per LIDB Message	Part E	0.000223
4	Total Monthly LIDB Cost	(L2 + L3) * L1	\$0.0007

Six Way Conference (per Centrex Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 19, Pg 1, L19	\$0.7932
2	Common Overhead	WP: Part C-1, Sec 19, Pg 1, L21	\$0.0637
3	Gross Revenue Loading	WP: Part C-1, Sec 19, Pg 1, L23	\$0.0023
4	Total Monthly Cost	L1 + L2 + L3	\$0.8592

Six Way Conference (per Centrex Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 19	\$18.3205
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$18.3205
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$7.3777
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$1.5059
8	Total In-Place Investment	L3+L5+L7	\$27.2040
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$8.6581
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0816
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0229
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$2.0376
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.8369
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.7932
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0637
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0023
24	Total Monthly Cost	L19+L21+L23	\$0.8592

Station Message Detail Record to Premise (per Group)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 20, Pg 1, L19	\$11.7913
2	Common Overhead	WP: Part C-1, Sec 20, Pg 1, L21	\$0.9468
3	Gross Revenue Loading	WP: Part C-1, Sec 20, Pg 1, L23	\$0.0345
4	Total Monthly Cost	L1 + L2 + L3	\$12.7727

Station Message Detail Record to Premise (per Group)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 2, L 20	\$272.3567
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$272.3567
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$109.6780
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$22.3872
8	Total In-Place Investment	L3+L5+L7	\$404.4220
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$128.7128
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$1.2133
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.3410
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$30.2912
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$12.4423
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$11.7913
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.9468
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0345
24	Total Monthly Cost	L19+L21+L23	\$12.7727

Three-way Calling (per Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 21, Pg 1, L19	\$0.2063
2	Common Overhead	WP: Part C-1, Sec 21, Pg 1, L21	\$0.0166
3	Gross Revenue Loading	WP: Part C-1, Sec 21, Pg 1, L23	\$0.0006
4	Total Monthly Cost	L1 + L2 + L3	\$0.2234

Three-way Calling (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 21	\$4.7641
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$4.7641
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.9185
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.3916
8	Total In-Place Investment	L3+L5+L7	\$7.0743
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$2.2515
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0212
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0060
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.5299
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.2176
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.2063
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0166
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0006
24	Total Monthly Cost	L19+L21+L23	\$0.2234

Remote Call Forwarding (per Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 22, Pg 1, L19	\$1.3040
2	Common Overhead	WP: Part C-1, Sec 22, Pg 1, L21	\$0.1047
3	Gross Revenue Loading	WP: Part C-1, Sec 22, Pg 1, L23	\$0.0038
4	Total Monthly Cost	L1 + L2 + L3	\$1.4125

Remote Call Forwarding (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 22	\$30.1203
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$30.1203
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$12.1294
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$2.4758
8	Total In-Place Investment	L3+L5+L7	\$44.7255
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$14.2345
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.1342
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0377
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$3.3499
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$1.3760
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$1.3040
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.1047
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0038
24	Total Monthly Cost	L19+L21+L23	\$1.4125

Calling Number Delivery (per Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 23, Pg 1, L19	\$0.1775
2	Common Overhead	WP: Part C-1, Sec 23, Pg 1, L21	\$0.0142
3	Gross Revenue Loading	WP: Part C-1, Sec 23, Pg 1, L23	\$0.0005
4	Total Monthly Cost	L1 + L2 + L3	\$0.1922

Calling Number Delivery (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 23	\$4.0989
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$4.0989
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.6506
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.3369
8	Total In-Place Investment	L3+L5+L7	\$6.0864
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.9371
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0183
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0051
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.4559
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1873
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1775
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0142
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0005
24	Total Monthly Cost	L19+L21+L23	\$0.1922

Calling Number and Name Delivery (per Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 24, Pg 1, L19	\$0.1775
2	Common Overhead	WP: Part C-1, Sec 24, Pg 1, L21	\$0.0142
3	Gross Revenue Loading	WP: Part C-1, Sec 24, Pg 1, L23	\$0.0005
4	LIDB	WP: Part C-1, Sec 24, Pg 1, L24	\$0.0471
5	Total Monthly Cost	L1 + L2 + L3	\$0.2393

Calling Number and Name Delivery (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 24	\$4.0989
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$4.0989
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.6506
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.3369
8	Total In-Place Investment	L3+L5+L7	\$6.0864
9	Digital Switch ACF	VCOST	0.31826
10	Annual Digital Switch Cost	L8 x L9	\$1.9371
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0183
13	Land ACF	VCOST	0.28108
14	Annual Land Cost	L12 x L13	\$0.0051
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.4559
17	Building ACF	VCOST	0.41076
18	Annual Building Cost	L16 x L17	\$0.1873
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1775
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0142
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.00271
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0005
24	Total Monthly LIDB Cost	WP Part C-1, Sect 24, Pg 4, L8	\$0.0471
25	Total Monthly Cost	L19+L21+L23+L24	\$0.2393

Calling Number and Name Delivery (per Line)

BELL ATLANTIC - NEW YORK

SUMMARY OF LIDB COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	BH CN&N Calls per Line	Product Management	0.68
2	Annual to Busy Hour Ratio	WP Part C-3, Sec 8 Pg 1, L6	0.000331
3	Monthly CN&N Calls per Line	L1/L2/12	171.37
4	% Calls with Private Numbers	Product Management	16%
5	Queries per Month	L3 *(1 -L4)	143.95
6	LIDB Cost per Query	Part E	0.000104
7	SS7 Transport for LIDB Message	Part E	0.000223
8	Total Monthly LIDB Cost	(L6 + L7) * L5	\$ 0.0471

Call Waiting Display Number (per Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 25, Pg 1, L19	\$0.1775
2	Common Overhead	WP: Part C-1, Sec 25, Pg 1, L21	\$0.0142
3	Gross Revenue Loading	WP: Part C-1, Sec 25, Pg 1, L23	\$0.0005
4	Total Monthly Cost	L1 + L2 + L3	\$0.1922

Call Waiting Display Number (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 25	\$4.0989
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$4.0989
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.6506
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.3369
8	Total In-Place Investment	L3+L5+L7	\$6.0864
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.9371
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0183
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0051
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.4559
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1873
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1775
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0142
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0005
24	Total Monthly Cost	L19+L21+L23	\$0.1922

Call Waiting Display Name (per Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 26, Pg 1, L19	\$0.1775
2	Common Overhead	WP: Part C-1, Sec 26, Pg 1, L21	\$0.0142
3	Gross Revenue Loading	WP: Part C-1, Sec 26, Pg 1, L23	\$0.0005
4	Total Monthly Cost	L1 + L2 + L3	\$0.1922

Call Waiting Display Name (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 26	\$4.0989
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$4.0989
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.6506
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.3369
8	Total In-Place Investment	L3+L5+L7	\$6.0864
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.9371
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0183
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0051
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.4559
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1873
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1775
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0142
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0005
24	Total Monthly Cost	L19+L21+L23	\$0.1922

Anonymous Call Rejection (per Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 27, Pg 1, L19	\$0.0297
2	Common Overhead	WP: Part C-1, Sec 27, Pg 1, L21	\$0.0024
3	Gross Revenue Loading	WP: Part C-1, Sec 27, Pg 1, L23	\$0.0001
4	Total Monthly Cost	L1 + L2 + L3	\$0.0321

Anonymous Call Rejection (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 27	\$0.6850
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$0.6850
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$0.2758
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.0563
8	Total In-Place Investment	L3+L5+L7	\$1.0171
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$0.3237
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0031
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0009
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.0762
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.0313
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.0297
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0024
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0001
24	Total Monthly Cost	L19+L21+L23	\$0.0321

Automatic Recall (Call Return) (per Line)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 28, Pg 1, L19	\$0.1802
2	Common Overhead	WP: Part C-1, Sec 28, Pg 1, L21	\$0.0145
3	Gross Revenue Loading	WP: Part C-1, Sec 28, Pg 1, L23	\$0.0005
4	Total Monthly Cost	L1 + L2 + L3	\$0.1952

Automatic Recall (Call Return) (per Line)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 28	\$4.1624
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$4.1624
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.6762
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.3421
8	Total In-Place Investment	L3+L5+L7	\$6.1807
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1.9671
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0185
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0052
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.4629
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.1902
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.1802
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0145
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0005
24	Total Monthly Cost	L19+L21+L23	\$0.1952

Circuit Switched Voice Intercom (ISDN) (per Terminal)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	Total Monthly Cost	WP: Part C-1, Sec 29, Pg 1, L9	\$5.0154

Circuit Switched Voice Intercom (ISDN) (per Terminal)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	BH Intragroup CCS per Channel	Product Management	12.0
2	BH Intragroup MOU per Channel	$L1 \times 100 / 60$	20.0
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 8 Pg 1, L6	0.000331
4	Annual Intragroup MOU	$L2 / L3$	60481.93
5	Monthly Intragroup MOU	$L4 / 12$	5040.16
6	UNE End Office Orig. Usage Rate	Exh Part C-2, Sect 1, Pg 1, L1	0.001060
7	UNE End Office Term. Usage Rate	Exh Part C-2, Sect 1, Pg 1, L2	0.000930
8	UNE End Office Average Usage Rate	$(L6 + L7) / 2$	\$0.000995
9	Monthly Intercom Costs per Channel	$L5 \times L8$	\$5.0154

Circuit Switched Voice (ISDN) - Announcement (per Terminal)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 30, Pg 1, L19	\$5.6005
2	Common Overhead	WP: Part C-1, Sec 30, Pg 1, L21	\$0.4497
3	Gross Revenue Loading	WP: Part C-1, Sec 30, Pg 1, L23	\$0.0164
4	Total Monthly Cost	L1 + L2 + L3	\$6.0666

Circuit Switched Voice (ISDN) - Announcement (per Terminal)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment per Group	WP: Part C-1, Sec 39, Pg 4, L 30	\$646.7995
2	Lines per Group	Product Management	5
3	Material Investment per Line	L1/L2	\$129.3599
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$52.0932
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$10.6332
8	Total In-Place Investment	L3+L5+L7	\$192.0863
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$61.1341
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.5763
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.1620
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$14.3873
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$5.9096
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$5.6005
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.4497
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0164
24	Total Monthly Cost	L19+L21+L23	\$6.0666

**Six-way Conference Calling (ISDN) (per Terminal)
VERIZON - MASSACHUSETTS**

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 31, Pg 1, L19	\$0.4759
2	Common Overhead	WP: Part C-1, Sec 31, Pg 1, L21	\$0.0382
3	Gross Revenue Loading	WP: Part C-1, Sec 31, Pg 1, L23	\$0.0014
4	Total Monthly Cost	L1 + L2 + L3	\$0.5155

Six-way Conference Calling (ISDN) (per Terminal)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 4, L 31	\$10.9923
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$10.9923
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$4.4266
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.9035
8	Total In-Place Investment	L3+L5+L7	\$16.3224
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$5.1948
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0490
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0138
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$1.2225
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.5022
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.4759
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0382
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0014
24	Total Monthly Cost	L19+L21+L23	\$0.5155

Three-way Calling (ISDN) (per Terminal)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 32, Pg 1, L19	\$0.2063
2	Common Overhead	WP: Part C-1, Sec 32, Pg 1, L21	\$0.0166
3	Gross Revenue Loading	WP: Part C-1, Sec 32, Pg 1, L23	\$0.0006
4	Total Monthly Cost	L1 + L2 + L3	\$0.2234

Three-way Calling (ISDN) (per Terminal)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 4, L 32	\$4.7641
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$4.7641
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.9185
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.3916
8	Total In-Place Investment	L3+L5+L7	\$7.0743
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$2.2515
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0212
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0060
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.5299
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.2176
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.2063
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0166
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0006
24	Total Monthly Cost	L19+L21+L23	\$0.2234

Calling Number Delivery (ISDN) (per Directory Number)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 33, Pg 1, L19	\$0.0000
2	Common Overhead	WP: Part C-1, Sec 33, Pg 1, L21	\$0.0000
3	Gross Revenue Loading	WP: Part C-1, Sec 33, Pg 1, L23	\$0.0000
4	Total Monthly Cost	L1 + L2 + L3	\$0.0000

Calling Number Delivery (ISDN) (per Directory Number)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 4, L 33	\$0.0000
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$0.0000
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$0.0000
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.0000
8	Total In-Place Investment	L3+L5+L7	\$0.0000
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$0.0000
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0000
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0000
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.0000
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.0000
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.0000
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0000
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0000
24	Total Monthly Cost	L19+L21+L23	\$0.0000

Calling Name Delivery (ISDN) (per PRI)
VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 34, Pg 1, L19	\$0.0000
2	Common Overhead	WP: Part C-1, Sec 34, Pg 1, L21	\$0.0000
3	Gross Revenue Loading	WP: Part C-1, Sec 34, Pg 1, L23	\$0.0000
4	LIDB	WP: Part C-1, Sec 34, Pg 1, L24	\$1.1075
5	Total Monthly Cost	L1 + L2 + L3	\$1.1075

Calling Name Delivery (ISDN) (per PRI)

VERIZON - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 39, Pg 3, L 34	\$0.0000
2	Feature Utilization Adjustment	N/R	1
3	Adjusted Material Investment	L1/L2	\$0.0000
4	Digital Switch EF&I Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$0.0000
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.0000
8	Total In-Place Investment	L3+L5+L7	\$0.0000
9	Digital Switch ACF	VCOST	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$0.0000
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.0000
13	Land ACF	VCOST	0.2811
14	Annual Land Cost	L12 x L13	\$0.0000
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.0000
17	Building ACF	VCOST	0.4108
18	Annual Building Cost	L16 x L17	\$0.0000
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$0.0000
20	Common Overhead Factor	VCOST	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$0.0000
22	Gross Revenue Loading Factor	VCOST (Grossed Up)	0.0027
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.0000
24	Total Monthly LIDB Cost	WP Part C-1, Sect 34, Pg 2, L8	\$1.1075
25	Total Monthly Cost	L19+L21+L23+L24	\$1.1075

Calling Name Delivery (ISDN) (per PRI)

BELL ATLANTIC - NEW YORK

SUMMARY OF LIDB COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	BH CN&N Calls per Line	Product Management	16
2	Annual to Busy Hour Ratio	WP Part C-3, Sec 8 Pg 1, L6	0.000331
3	Monthly CN&N Calls per Line	L1/L2/12	4032.13
4	% Calls with Private Numbers	Product Management	16%
5	Queries per Month	L3 *(1 -L4)	3386.99
6	LIDB Cost per Query	Part E	0.000104
7	SS7 Transport for LIDB Message	Part E	0.000223
8	Total Monthly LIDB Cost	(L6 + L7) * L5	\$ 1.1075

SIMPLIFIED MESSAGE DESK INTERFACE
BELL ATLANTIC - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
1	TELRIC	WP: Part C-1, Sec 37, Pg 2, L19	\$179.0893
2	Common Overhead	WP: Part C-1, Sec 37, Pg 2, L21	\$14.3809
3	Gross Revenue Loading	WP: Part C-1, Sec 37, Pg 2, L23	\$0.5238
4	Total Monthly Cost per Customer	L1 + L2 + L3	\$193.9939

SIMPLIFIED MESSAGE DESK INTERFACE
BELL ATLANTIC - MASSACHUSETTS

MATERIAL INVESTMENT PER CUSTOMER

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Modem	Vendor	\$455.26
2	Application Processor	Vendor	\$3,386.75
3	SMDI Port	SCIS	\$116.76
4	Message Waiting Indicator	SCIS	\$0.00
5	Interswitch Vioce Messaging	SCIS	\$40.71
6	Application Processor DSL Interface	SCIS	\$137.13
7	Total per Customer	Sum L1 through L6	\$4,136.61

SIMPLIFIED MESSAGE DESK INTERFACE
BELL ATLANTIC - MASSACHUSETTS

SUMMARY OF MONTHLY COSTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Material Investment	WP: Part C-1, Sec 37, Pg 1, L 7	\$4,136.61
2	Utilization Factor	Not Applicable	1
3	Adjusted Material Investment	L1/L2	\$4,136.61
4	Digital Switch EF&I Factor	V Cost	0.4027
5	Installation Cost	L3 x L4	\$1,665.81
6	Power Factor	V Cost	0.0586
7	Power Investment	(L3 + L5) x L6	\$340.02
8	Total In-Place Investment	L3+L5+L7	\$6,142.44
9	Digital Switch ACF	V Cost	0.3183
10	Annual Digital Switch Cost	L8 x L9	\$1,954.9162
11	Land Factor	V Cost	0.003
12	Land Investment	L8 x L11	\$18.43
13	Land ACF	V Cost	0.2811
14	Annual Land Cost	L12 x L13	\$5.1796
15	Building Factor	V Cost	0.0749
16	Building Investment	L8 x L15	\$460.07
17	Building ACF	V Cost	0.4108
18	Annual Building Cost	L16 x L17	\$188.9758
19	Total TELRIC Monthly Cost	(L10+L14+L18)/12	\$179.0893
20	Common Overhead Factor	V Cost	0.0803
21	Common Overhead Monthly Cost	L19 x L20	\$14.3809
22	Gross Revenue Loading Factor	V Cost (Grossed-up Factor)	0.0027073
23	Gross Revenue Monthly Cost	(L19+L21) x L22	\$0.5238
24	Total Monthly Cost	L19+L21+L23	\$193.9939

Utilization Adjustment Factors
VERIZON - MASSACHUSETTS

Utilization Adjustment Factor - GR 303 (POTS)

5ESS			Required	Actual	SCIS	Breakage	Admin	Average	Utilization
<u>Line</u>	<u># Lines</u>	<u>Cap@93%</u>	<u># of IDCUs</u>	<u># of IDCUs</u>	<u># of IDCUs</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
(A)	(B)	(C)	(D=B/C)	(E=D')	(F=D+0.5)	(G=E/F)	(H)	(I)	(J=I/H/G)
1	640555	892	718.11	719	718.61	1.0005	93%	80%	85.97%
DMS			Required	Actual	SCIS	Breakage	Admin	Average	Utilization
<u>Line</u>	<u># Lines</u>	<u>Cap@93%</u>	<u># of ESMAs</u>	<u># of ESMAs</u>	<u># of ESMAs</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>	<u>Factor</u>
(A)	(B)	(C)	(D=B/C)	(E=D')	(F=D+0.5)	(G=E/F)	(H)	(I)	(J=I/H/G)
2	480731	1071	448.86	449	449.36	0.9992	93%	80%	86.09%
Wghtd Utilization									
<u>Zone</u>			5ESS lines	DMS Lines	% 5ESS	% DMS			
3	86.02464%		640555	480731	57.13%	42.87%			

Utilization Adjustment Factors
BELL ATLANTIC - NEW YORK

Utilization Adjustment Factor - Analog Lines (POTS)

5ESS Line	# Lines	Cap@95%	Required # of AIUs	Actual # of AIUs	SCIS AIUs	Breakage Adjust Factor	Admin Fill Factor	Average Fill Factor	Utilization Adjust Factor
(A)	(B)	(C)	(D=B/C)	(E=D')	(F=D+0.5)	(G=E/F)	(H)	(I)	(J=I/H/G)
1	1921950	486	3954.63	3955	3955.13	1.0000	95%	93%	97.90%

DMS Line	# Lines	Cap@95%	Required # of LCMs	Actual # of LCMs	SCIS # of LCMs	Breakage Adjust Factor	Admin Fill Factor	Average Fill Factor	Utilization Adjust Factor
(A)	(B)	(C)	(D=B/C)	(E=D')	(F=D+0.5)	(G=E/F)	(H)	(I)	(J=I/H/G)
2	1442194	608	2372.03	2373	2372.53	1.0002	95%	93%	97.88%

Line	Wghtd Utilization	5ESS lines	DMS Lines	% 5ESS	% DMS
3	97.88825%	1921666	1442194	57.13%	42.87%

Utilization Adjustment Factors
VERIZON - MASSACHUSETTS

Utilization Adjustment Factor - Lines (POTS)

		Wghtd Utilization	% Line	
1	Digital or Gr303	86.02464%	25.00000%	21.50616%
2	Analog	97.88825%	75.00000%	73.41619%
3	Line Port Utilization			94.92235%

Utilization Adjustment Factors
BELL ATLANTIC - NEW YORK

Utilization Adjustment Factor - Digital Trunks

5ESS Line		# Trunks	Cap@95%	Required # of DNUs	Actual # of DNUs	SCIS # of DNUs	Breakage Adjust Factor	Admin Fill Factor	Average Fill Factor	Utilization Adjust Factor
(A)		(B)	(C)	(D=B/C)	(E=D')	(F=D+0.5)	(G=E/F)	(H)	(I)	(J=I/H/G)
1	EO	482733	7660	63.02	64	63.52	1.0076	95%	90%	94.03%
2	Tdm	547710	7660	71.50	72	72.00	1.0000	95%	90%	0.00%
DMS Line		# Trunks	Cap@95%	Required # of DTCs	Actual # of DTCs	SCIS # of DTCs	Breakage Adjust Factor	Admin Fill Factor	Average Fill Factor	Utilization Adjust Factor
(A)		(B)	(C)	(D=B/C)	(E=D')	(F=D+0.5)	(G=E/F)	(H)	(I)	(J=I/H/G)
3	EO	290112	456	636.21	637	636.71	1.0005	95%	90%	94.69%
4	Tdm	113000	456	247.81	248	248.31	0.9988	95%	90%	94.85%
Wghtd Utilization										
Line				5ESS lines	DMS Lines	% 5ESS	% DMS			
5	EO	94.27685%		482733	290112	62.46%	37.54%			
6	Tdm	94.85412%		547710	113000	82.90%	17.10%			

Switch Material Investments
End Offices
VERIZON - MASSACHUSETTS

A	B	C	D	E	F
Line		Source	Discounted Material	Weighting Factor	Weighted Investment
	Switch Ports				
1	Analog Line Port				
1.1	5ESS SCIS Material Investment	SCIS	\$ 63.5569	57.13%	\$ 36.3080
1.2	DMS SCIS Material Investment	SCIS	\$ 38.5575	42.87%	\$ 16.5308
	RTU and NTS Adjustment	WP Part C-2, Sec 4, Pg1, L33			1.76
1.3	Weighted SCIS/MO Material Investment	L1.1F + L1.2F			\$ 92.9436
2	Line Port				
2.1	5ESS SCIS Material Investment	SCIS	\$ 67.6173	57.13%	\$ 38.6276
2.2	DMS SCIS Material Investment	WP Part C-1, Sec 39 Pg 1 L3	\$ 31.0032	42.87%	\$ 13.2921
	RTU and NTS Adjustment	WP Part C-2, Sec 4, Pg1, L33			1.76
2.3	Weighted SCIS/MO Material Investment	L2.1F+ L2.2F			\$ 91.3267
3	Analog Coin Port				
3.1	5ESS SCIS Material Investment	SCIS	\$ 63.5569		
3.2	5ESS Analog Coin Port Differential	WP Part C-1, Sec 40 Pg 1 L9	\$ 1.3804		
3.3	Total 5ESS Material Investment	L3.1D + L3.2D	\$ 64.9374	57.13%	\$ 37.0966
3.4	DMS SCIS Material Investment	SCIS	\$ 38.5575		
3.5	DMS Analog Coin Port Differential	WP Part C-1, Sec 40 Pg 1 L8	\$ 17.1184		
3.6	Total DMS Material Investment	L3.4D + L3.5D	\$ 55.6759	42.87%	\$ 23.8700
	RTU and NTS Adjustment	WP Part C-2, Sec 4, Pg1, L33			1.76
3.7	Weighted SCIS/MO Material Investment	L3.3F + L3.6F			\$ 107.2404
4	Coin Port				
4.1	5ESS SCIS Material Investment	SCIS	\$ 67.6173		
4.2	5ESS Weighted Coin Port Differential	WP Part C-1, Sec 40 Pg 1 L11	\$ 1.3804		
4.3	Total 5ESS Material Investment	L4.1D + L4.2D	\$ 68.9978	57.13%	\$ 39.4162
4.4	DMS SCIS Material Investment	SCIS	\$ 31.0032		
4.5	DMS Weighted Coin Port Differential	WP Part C-1, Sec 40 Pg 1 L10	\$ 12.9546		
4.6	Total DMS Material Investment	L4.4D + L4.5D	\$ 43.9578	42.87%	\$ 18.8461
	RTU and NTS Adjustment	WP Part C-2, Sec 4, Pg1, L33			1.76
4.7	Weighted SCIS/MO Material Investment	L4.3F + L4.6F			\$ 102.4834
5	End Office Trunk Port				
5.1	5ESS SCIS Material Investment	SCIS	\$ 90.8934	62.46%	\$ 56.7737
5.2	DMS SCIS Material Investment	SCIS	\$ 83.4440	37.54%	\$ 31.3234
	RTU and NTS Adjustment	WP Part C-2, Sec 4, Pg1, L33			1.76
5.3	Weighted SCIS/MO Material Investment	L5.1F + L5.2F		(Per DS-0)	\$ 154.9627
5.4		L5.3 * 24		(Per DS-1)	\$ 3,719.1045
6	ISDN BRI Port				
6.1	5ESS SCIS Wghtd Material Investment	SCIS	\$ 241.6461	79.45%	\$ 191.9759
6.2	DMS-100 SCIS Wghtd Material Investment	SCIS	\$ 219.1056	20.55%	\$ 45.0370
	RTU and NTS Adjustment	WP Part C-2, Sec 4, Pg1, L33			1.76
6.3	Weighted SCIS/MO Material Investment	L7.1F + L7.2F			\$ 416.9057
7	ISDN PRI Port				
7.1	5ESS SCIS Material Investment- PRI	SCIS	\$ 374.8645	68.95%	\$ 258.4620
7.2	DMS SCIS Material Investment- PRI	SCIS	\$ 223.7158	31.05%	\$ 69.4680
7.3	5ESS SCIS Material Investment- B Channel	SCIS	\$ 57.6699	68.95%	\$ 39.7623
7.4	DMS SCIS Material Investment- B Channel	SCIS	\$ 112.1560	31.05%	\$ 34.8266
7.5	5ESS SCIS Material Investment- ISDN PRI	L7.1F +(L7.3F * 23)			\$ 1,173.00
7.6	DMS SCIS Material Investment- ISDN PRI	L7.2F + (L7.4 * 23)			\$ 870.48
	RTU and NTS Adjustment	WP Part C-2, Sec 4, Pg1, L33			1.76
7.7	Weighted ISDN PRI	L7.5F + L7.6F			\$ 3,594.4707

Switch Material Investments
End Offices
VERIZON - MASSACHUSETTS

COIN FEATURE

8	Delay Announcement	RTU and NTS Adjustment	WP Part C-2, Sec 4, Pg1, L33		1.76
8.1	SCIS I/N 5ESS Material Investment			\$	1.3804
8.2	SCIS I/N DMS Material Investment			\$	0.4632

CENTREX FEATURES

9	Centrex Intercom (per Centrex Line)	SCIS I/N Weighted Material Investment	(Usage Costs Only)	\$	-
					Per line
10	Centrex Announcement (per Centrex Line)	SCIS I/N Weighted Material Investment		\$	255.5429
					Per Group
11	3-Way Conference (per Centrex Line)	SCIS I/N Weighted Material Investment		\$	4.7641
					Per Station Line
12	Automatic Callback (per Centrex Line)	SCIS I/N Weighted Material Investment		\$	4.1032
					Per Station Line
13	Distinctive Ringing (per Centrex Line)	SCIS I/N Weighted Material Investment		\$	0.4358
					Per Station Line
14	Loudspeaker Paging (per Trunk)	SCIS I/N Weighted Material Investment		\$	139.6687
					per Trunk
15	Meet-Me Conference (per Group)	SCIS I/N DMS Material Investment(Available in DMS-100 Only)		\$	2.7317
					per Group
16	Selective Call Acceptance (per Centrex Line)	SCIS I/N Weighted Material Investment		\$	0.5238
					Per Station Line
17	Selective Call Forwarding (per Centrex Line)	SCIS I/N Weighted Material Investment		\$	0.2083
					Per Station Line
18	Selective Call Rejection (per Centrex Line)	SCIS I/N Weighted Material Investment		\$	3.7007
					Per Station Line
19	Six Way Conference (per Centrex Line)	SCIS I/N Weighted Material Investment		\$	18.3205
					Per Station Line
20	Station Message Detail Record to Premise (per Group)	SCIS I/N DMS Material Investment(Available in DMS-100 Only)		\$	272.3567
					Per Group

Switch Material Investments
End Offices
VERIZON - MASSACHUSETTS

INDIVIDUAL LINE FEATURES:

21	Three-way Calling (per Line)		
	SCIS I/N Weighted Material Investment	\$	4.7641
			Per Line
22	Remote Call Forwarding (per Line)		
	SCIS I/N Weighted Material Investment	\$	30.1203
			Per Line
23	Calling Number Delivery (per Line)		
	SCIS I/N Weighted Material Investment	\$	4.0989
			Per Line
24	Calling Number and Name Delivery (per Line)		
	SCIS I/N Weighted Material Investment	\$	4.0989
			Per Line
25	Call Waiting Display Number (per Line)		
	SCIS I/N Weighted Material Investment	\$	4.0989
			Per Line
26	Call Waiting Display Name (per Line)		
	SCIS I/N Weighted Material Investment	\$	4.0989
			Per Line
27	Anonymous Call Rejection (per Line)		
	SCIS I/N Weighted Material Investment	\$	0.6850
			Per Line
28	Automatic Recall (Call Return) (per Line)		
	SCIS I/N Weighted Material Investment	\$	4.1624
			Per Line

Switch Material Investments
End Offices
VERIZON - MASSACHUSETTS

A	B	C	D	E	F
		Source	Discounted Material	Weighting Factor	Weighted Investment
ISDN FEATURES					
29	Circuit Switched Voice Intercom (ISDN) (per Terminal)				
	SCIS I/N Weighted Material (Total Feature) Investment		(Usage Costs Only)	\$	-
					Per Terminal
30	Circuit Switched Voice (ISDN) - Announcement (per Terminal)				
	SCIS I/N Weighted Material Investment			\$	646.7995
					Per Group
31	Six-way Conference Calling (ISDN) (per Terminal)				
	SCIS I/N Weighted Material Investment			\$	10.9923
					Per Terminal
32	Three-way Calling (ISDN) (per Terminal)				
	SCIS I/N Weighted Material Investment			\$	4.7641
					Per Terminal
33	Calling Number Delivery (ISDN) (per Directory Number)				
	SCIS I/N Weighted Material Investment			\$	-
					Per Directory No.
34	Calling Name Delivery (ISDN) (per PRI)				
	SCIS I/N Weighted Material Investment			\$	-
					Per PRI
Switch Ports					
35	Integrated Digital Loop Carrier Port				
35.1	5ESS SCIS Material Investment	SCIS	\$ 44.3575	57.13%	\$ 25.3400
35.2	DMS SCIS Material Investment	SCIS	\$ 8.3491	42.87%	\$ 3.5795
	RTU and NTS Adjustment	WP Part C-2, Sec 4, Pg1, L33			\$ 1.7590
35.3	Weighted SCIS/MO Material Investment	L5.1F + L5.2F		(Per DS-0)	\$ 50.8695
35.4		L35.3 * 24		(Per DS-1)	\$ 1,220.8674
35.5		L35.4*4		(Per 4 DS-1s)	\$ 4,883.4695
	DMS Digital Line Weighting	Lines	% wghting	Invest	Wghtd Invest
35.5	Remotes	47,869	9.96%	\$ 17.0792	\$ 1.7007
35.6	Hosts	432,862	90.04%	\$ 7.3837	\$ 6.6484
35.7					\$ 8.3491

Switch Material Investments
Tandems
VERIZON - MASSACHUSETTS

A	B	C	D	E	F
		Source	Discounted Material	Weighting Factor	Weighted Investment
1	Tandem Trunk Port				
1.1		5ESS	\$ 85.3795	82.90%	\$ 70.7772
1.2		DMS	\$ 71.4570	17.10%	\$ 12.2211
1.3	Weighted SCIS/MO Material Investment			(Per DS-0)	\$ 82.9983
1.4		L1C *24		(Per DS-1)	\$ 1,991.9597
2	TOPS Trunk Port				
2.1		5ESS		0.00%	\$ -
2.2		DMS	\$ 71.4570	100.00%	\$ 71.4570
2.3	Weighted SCIS/MO Material Investment			(Per DS-0)	\$ 71.4570
2.4		L2C * 24		(Per DS-1)	\$ 1,714.9668

COIN FUNCTIONALITY INVESTMENT SUPPORT

VERIZON - MASSACHUSETTS

LINE	ITEM A	SOURCE B	VALUE C
HARDWARE - LINE CARD (DMS-100)			
1	6X18AA Ground Start Line Card (Required for Coin)	Vendor	\$32.45
2	6X17AC POTS Line Card (Used in Analog Line Port)	Vendor	\$23.66
3	Net Discounted Cost per Line - Line Card	L1 - L2	\$8.80
HARDWARE - POWER CONVERTER (DMS-100)			
4	6X23AA Line Card (Serves 10 Lines)	Vendor	\$78.58
5	Net Discounted Cost per Line - Power Converter	L4 / (10)	\$7.86
HARDWARE - ANNOUNCEMENTS CIRCUITS			
6	DMS-100 (Per Coin Port)	WP Part C-1, Sec 39, Pg 2, L8.1	\$0.4632
7	5ESS (Per Coin Port)	WP Part C-1, Sec 39, Pg 2, L8.2	\$1.3804
8	Total DMS Analog Port H'dware Differential	L3 + L5 + L6	\$17.12
9	Total 5ESS Analog Port H'dware Differential	L7	\$1.38
10	Total Material Cost - DMS Digital Coin Port Support (Announcement Circuits Only)**	L6	\$0.46
11	Total Material Cost - 5ESS Digital Coin Port Support (Announcement Circuits Only)**	L7	\$1.38
12	Percent Digital Lines	SCIS Inputs	25%
13	Weighted Material Cost - DMS Coin Port Support	$(L10 * L12) + (L8 * (1 - L12))$	\$12.95
14	Weighted Material Cost - 5ESS Coin Port Support	$(L11 * L12) + (L9 * (1 - L12))$	\$1.38

** Digital Line Ports in DMS and 5ESS include coin port functionality; however, both switches require announcements hardware.

Note : This tab functions as a single point of input for common factors used in the Workpapers. It *should not* be printed and included as part of any paper filing package.

<i>Input</i>	<i>Reference</i>	<i>Value</i>
Line Utilization Adjustment		
	WP Part C-1, Sect 38, Pg 3, L3	0.949
Analog Line Utilization Adjustment		
	WP Part C-1, Sect 38, Pg 2, L3	0.979
Digital Trunk Utilization Adjustment		
End Office	WP Part C-1, Sect 38, Pg 4, L5	0.943
Tandem	WP Part C-1, Sect 38, Pg 4, L6	0.949
Feature Utilization Adjustment	N/R	1.000
Digital Switch EF&I Factor	VCOST	0.402700
Power Factor	VCOST	0.058600
Digital Switch ACF	VCOST	0.318264
Land Factor	VCOST	0.003000
Land ACF	VCOST	0.281083
Building Factor	VCOST	0.074900
Building ACF	VCOST	0.410755
Common Overhead Factor	VCOST	0.080300
Gross Revenue Loading Factor	VCOST (Grossed Up)	0.002707
Annual to Busy Hour Ratio	WP Part C-3, Sec 8 Pg 1, L6	0.000331
LIDB Cost per Query	Part E	\$0.000104
SS7 Transport for LIDB Message	Part E	\$0.000223
Originating MOU		
UNE End Office Orig. Usage Rate	Exh Part C-2, Sect 1, Pg 1, L1	0.0010601
Terminating MOU		
UNE End Office Term. Usage Rate	Exh Part C-2, Sect 1, Pg 1, L2	\$0.000930
ISDN BRI		
5ESS	SCIS	52568
DMS	SCIS	13601
	%	79.45%
	%	20.55%
ISDN PRI		
5ESS	SCIS	4372
DMS	SCIS	1969
	%	68.95%
	%	31.05%

Part B-2 Section Index

Section

Switching

- 1 Switch Usage (per MOU)

Trunks

- 2 Common Trunk (Per MOU)

Transport

- 3 Common Transport (Separate File)

Supporting Workpapers

- 4 SCIS End Office Results
- 5 SCIS Tandem Office Results
- 6 RTU Costs
- 7 Features Included in Usage

should not

<i>Input</i>	<i>Reference</i>	<i>Value</i>
Digital Switch EFI Factor	VCOST	0.402700
Power Factor	VCOST	0.058600
Digital Switch ACF	VCOST	0.318264
Land Factor	VCOST	0.003000
Land ACF	VCOST	0.281083
Building Factor	VCOST	0.074900
Building ACF	VCOST	0.410755
Common Overhead Factor	VCOST	0.080300
Gross Revenue Loading Factor	VCOST	0.002707
Right-To -Use Factor	Part G-9	0.019700
Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
Fixed Monthly Cost of DS-1 Transport	Part D-6	\$ 46.42
Variable Monthly Cost of DS-1 Transport, per Mile	Part D-6	\$ 1.41
Umbilical to Host Miles	V & H Calculated	9.94
Hosts	SCIS INPUT STATISTICS	133
Tandems	SCIS INPUT STATISTICS	9
SS7 Cost per MOU	N/A	\$ -

RECALCULATED VZ-MA STUDY WITH CORRECTED DEFRAGMENTED DATABASE;
CORRECTED 5ESS IDLC PORT INVESTMENT; AND VZ-MA CORRECTIONS TO TRUNK MOU
AND REALLOCATION OF NTS TO PORTS

Summary

Element	End Office	Tandem	TOPS	IOF
Switching (avg)	0.0010001	0.0002744		
Switching - Orig	0.0010601			
Switching - Term	0.0009301			
Common Trunk	0.0012404	0.0005717	0.0014113	
VZ-MA -As Filed				
Switching (avg)	0.002756	0.0002744		
Switching - Orig	0.0029214			
Switching - Term	0.0025631			
Common Trunk	0.000705	0.0005717	0.0014113	
Differences				
Switching (avg)	-64%	0%		
Switching - Orig	-64%			
Switching - Term	-64%			
Common Trunk*	76%	0%	0%	

*VZ-MA corrections to trunk MOU included per response to ATT 4-46.

Switch Usage (per MOU)
VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
End Office			
1	Originating End Office Usage	WP: Part C-2, Sec 1, Pg 1, L34	\$0.001060
2	Terminating End Office Usage	WP: Part C-2, Sec 1, Pg 1, L36	\$0.000930
Tandem			
3	Tandem Usage	WP: Part C-2, Sec 1, Pg 2, L29	\$0.000274

Local Switch Usage

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	C
1	TS Material Investment	WP Part C-2, Sec 4, Pg 1, L25	\$89,868,947
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-2, Sec 4, Pg 2, L12	26,012,508
3	Material Investment per BH MOU	L1/L2	\$3.45484
4	Digital Switch EFI Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.391262
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.283981
8	Total In-Place Investment	L3+L5+L7	\$5.130080
9	Digital Switch ACF	VCOST	0.318263529
10	Annual Digital Switch Cost	L8 x L9	\$1.632717
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.015390
13	Land ACF	VCOST	0.281083327
14	Annual Land Cost	L12 x L13	\$0.004326
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.384243
17	Building ACF	VCOST	0.410755193
18	Annual Building Cost	L16 x L17	\$0.157830
19	RTU per MOU	WP Part C-2, Sec 6, PG1, L10	\$0.688314
20	Total TELRIC Annual Cost	(L10+L14+L18+L19)	\$2.483187
21	Common Overhead Factor	VCOST	0.0803
22	Common Overhead Annual Cost	L20 x L21	\$0.199400
23	Gross Revenue Loading Factor	VCOST	0.0027073
24	Gross Revenue Annual Cost	(L20+L22) x L23	\$0.007263
25	Umbilical Cost per BH MOU	WP Part C-2, Sec 4, Pg 3, L12	0.026238
26	Total Cost per BH MOU	L20+L22+L24+L25	\$2.72
27	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
28	Cost per AHD MOU	L26*L27	\$0.000898
29	Non Conversation Time Adjustment	WP Part C-3, Sec 6, Pg 1, 16	1.113
30	Total Switching Cost per MOU	L28*L29	\$0.001000
31	SS7 Cost per MOU	N/A	0
32	Total Cost per Mou	L30 + L31	\$0.001000
33	Originating to Average Ratio	Service Costs	1.06
34	Originating MOU	L32*L33	\$0.001060
35	Terminating to Average Ratio	Service Costs	0.93
36	Terminating MOU	L32*L35	\$0.000930

Tandem Switch Usage

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	TANDEM C
1	TS Material Investment	WP Part C-2, Sec 5, Pg 1, L10	\$23,341,671.00
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-2, Sec 5, Pg 2, L3	18,818,027
3	Material Investment per BH MOU	L1/L2	\$1.24039
4	Digital Switch EFI Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$0.499505
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.101958
8	Total In-Place Investment	L3+L5+L7	\$1.841851
9	Digital Switch ACF	VCOST	0.318263529
10	Annual Digital Switch Cost	L8 x L9	\$0.586194
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.005526
13	Land ACF	VCOST	0.281083327
14	Annual Land Cost	L12 x L13	\$0.001553
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.137955
17	Building ACF	VCOST	0.410755193
18	Annual Building Cost	L16 x L17	\$0.05667
19	RTU per MOU	WP Part C-2, Sec 6, Pg 2, L10	\$0.121529
20	Total TELRIC Annual Cost	(L10+L14+L18+L19)	\$0.765942
21	Common Overhead Factor	VCOST	0.0803
22	Common Overhead Annual Cost	L20 x L21	\$0.061505
23	Gross Revenue Loading Factor	VCOST	0.0027073
24	Gross Revenue Annual Cost	(L20+L22) x L23	\$0.002240
25	Total Switching Cost per BH MOU	L20+L22+L24	\$0.83
26	SS7 Cost per MOU	N/A	\$ -
27	Total Tandem Cost per BH MOU	L25 + L26	\$0.83
28	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
29	Cost per AHD MOU	L26*L27	\$0.000274

Common Trunk (per MOU)
VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
End Office			
1	Common End Office Trunk	WP: Part C-2, Sec 2, Pg 1, L6	\$0.001240
Tandem			
2	Common Tandem Trunk	WP: Part C-2, Sec 2, Pg 2, L6	\$0.000572
TOPS			
3	Common TOPS Trunk	WP: Part C-2, Sec 2, Pg 3, L6	\$0.001411

Common End OfficeTrunk

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	VALUE C
1	Monthly Cost - End Office Trunk (DS-0)	(Exh Part C-1 Sec 5 Page 1) / 24	\$ 7.71
2	BH MOU per Trunk	WP Part C-2, Sec 4, Pg 2, L18	24.66
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
4	Annual MOU	L2/L3	74,575.60
5	Monthly MOU	L4/12	6,214.63
6	Cost per MOU	L1/L5	\$ 0.001240

Common Tandem Trunk

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	VALUE C
1	Monthly Cost - Tandem Trunk (DS-0)	(Exh Part C-1, Sec 6, Page 1, L4) / 24	\$ 4.10
2	Tandem BH MOU per Trunk	WP Part C-2, Sec 5, Pg 2, L3	28.48
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
4	Annual MOU	L2/L3	86,131
5	Monthly MOU	L4/12	7,177.57
6	Cost per MOU	L1/L5	\$ 0.000572

Common TOPS Trunk

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	VALUE C
1	Monthly Cost - TOPS Trunk (DS-0)	(Exh Part C-1, Sec 6.1, Page 1, L4) / 24	\$ 3.53
2	TOPS BH MOU per Trunk	WP Part C-2, Sec 5, Pg 2, L4	9.93
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
4	Annual MOU	L2/L3	30,039
5	Monthly MOU	L4/12	2,503.28
6	Cost per MOU	L1/L5	\$ 0.001411

SCIS End Office Total Material Investment

VERIZON - MASSACHUSETTS

Line #	SCIS Non ISDN:	<u>A</u>	<u>B</u>	<u>C</u>
1.	Getting Started	126863610	48878475	175742085
2.	SM 2000 EPHC	36024789		36024789
3.	Line Term. A+C+D	150508283	59616910	210125193
4.	LINE CCS	50951958	23646433	74598391
5.	Term Call	0	0	0
6.	Trunk CCS	39468836	24045548	63514384
7.	SS7 Link	736089	1693509	2429598
8.	UMBILICAL TRUNK CCS		1,734,901	1734901
9.	-----	\$ 404,553,565	\$ 159,615,776	\$ 564,169,341
	(Sum L1 to L8)			
SCIS ISDN Investments:				
10.	SM 2000 Real Time EPHC	6670743		6670743
11.	BRI - U Card	12702850	2980920	15683770
12.	ISDN LINE CCS	4019406	521621	4541027
13.	PRI D CHANNEL	1638908	440496	2079404
14.	PRI B CHANNEL	5799056	5079210	10878266
15.	D CH. ACC. PPS	4425144	715082	5140226
16.	PPB CH. ACCESS PPS		486415	486415
17.	INTER-SWITCH PPS	753807	163329	917136
18.	XAT PPS	21253		21253
19.	ADD'L BRI PPB CH.		794180	794180
20.	ADD'L D CH. TERM.		423746	423746
21.	ADD'L XAT Channel	271705		271705
22.	-----	\$ 36,302,872	\$ 11,604,999	\$ 47,907,871
	(Sum L10 to L21)			
23.	Total Local Switch - SCIS (L9 + L22)	\$ 440,856,437	\$ 171,220,775	\$ 612,077,212
24.	Total NTS (L23 - L25)	\$ 379,948,780	\$ 142,259,485	\$ 522,208,265
25.	Total TS (Usage) (L34+ L7 + L8 + L12 + L15 + 16 + L17 + L18)	\$ 60,907,657	\$ 28,961,290	\$ 89,868,947

End Office Minutes of Use

VERIZON - MASSACHUSETTS

		A	B	C
Line		Number of Lines	Zone 1A CCS per Line	TOTAL CCS
A. End Office Lines:				
5ESS CCS:				
1	POTS Lines	2562505	3.72	9532519
2	ISDN BRI Lines	52568	8.98	472061
3	POTS Lines on ISDN Interface			0
4	5ESS CCS TOTAL			10,004,579
5	5ESS MOU TOTAL	(= CCS * 100 / 60)		16,674,299
DMS-100 CCS:				
Number of Lines				
CCS per Line				
TOTAL CCS				
6	POTS Lines	1922925	3.79	7287886
7	ISDN BRI Lines	13601	9.31	126625
8	POTS Lines on ISDN Interface			0
9	DMS-100 CCS TOTAL			7,414,511
10	DMS-100 MOU TOTAL	(= CCS * 100 / 60)		12,357,518
Total				
11	5ESS & DMS-100 CCS			17,419,090
12	5ESS & DMS-100 MOU at Midpoint of Planning Cycle	(= CCS * 100 / 60)*0.896)		26,012,508
13	Annual to Busy Hour Ratio		0.000331	
14	Annual MOUs	(=BH MOU/ABHR)		78,664,331,970
B. End Office Trunks:				
15	5ESS	482733	15.88	7,665,800
16	DMS-100	290112	14.55	4,221,130
17	Digital Trunk CCS /Trunk		15.38	11,886,930
18	Digital Trunk MOU at Midpoint of Planning Cycle		24.66	19,058,711

Notes: 1. MOU = Minutes of Use
2. CCS = Hundred Call Seconds

Umbilical Costs

VERIZON - MASSACHUSETTS

	A	B	C	D
		Monthly	Avg. Miles	-----
L1	-----			196
L2	-----	\$ 46.42		\$9,098
L3	-----	\$ 1.41	9.94	\$2,749
L4	-----			\$11,847
		Monthly	Avg. Miles	-----
L5	-----			745
L6	-----	\$ 46.42		\$34,581
L7	-----	\$ 1.41	9.94	\$10,448
L8	-----			\$45,029
L9	-----		L4D + L8D	\$56,876
L10	-----		L9 * 12	\$682,513
L11	-----	WP Part C-2,Sec 4,L12		26,012,508
L12	-----		L10 / L11	\$0.026238

Tandem Switch Total Investment

VERIZON - MASSACHUSETTS

Line #		ACCESS TANDEM		TOTAL	TOPS
		5 ESS	DMS-200		DMS-200
SCIS RESULTS:					
(Lines 1 to 8)					
1.	Getting Started	8,685,736	1,335,312	10,021,048	667,656
2.	SM 2000 EPHC	13,096,516			
3.	A+C				
4.	LINE CCS				
5.	Term Call				
6.	Tdm Trunk CCS	46,763,182	8,074,635	54,837,817	645,614
7.	SS7 Link	72,572	151,535	224,107	8,916
8.	-----	68,618,006	9,561,482	78,179,488	1,322,186
(Sum L1 to L7)				0	
9.	Total NTS (L3 + L6)	\$ 46,763,182	\$ 8,074,635	54,837,817	\$ 645,614
10.	Total TS (Usage) (L8 - L9)	\$ 21,854,824	\$ 1,486,847	23,341,671	\$ 676,572

Tandem Minutes of Use

VERIZON - MASSACHUSETTS

Line	A	B	C	D	E	F
		No. Digital Trunks	BH CCS / Trunk	BH MOU / Trunk (C * 100/60)	Total BH CCS (B * C)	Planning point (B * D * 0.962)
Tandems						
1	5ESS	547,710	17.74	29.57	9,716,375	15,578,589
2	DMS	113,000	17.88	29.80	2,020,440	3,239,439
3	TOTAL			28.48		18,818,027
TOPS						
4	DMS	9,035	5.96	9.93	53,849	86,337.26

RTU Cost per MOU - Local Switching

VERIZON - MASSACHUSETTS

LINE#	ITEM A	SOURCE B	C
1	Total Material Investment	WP Part C-2, Sec 4, Pg 1, L23	\$612,077,212
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-2, Sec 4, Pg 2, L12	26,012,508
3	Total Material Investment per BH MOU	L1/L2	\$23.53011
4	Digital Switch EFI Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$9.475576
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$1.934133
8	Total In-Place Investment	L3+L5+L7	\$34.939820
9	Right-To -Use Factor	Part G-9	0.0197
10	Right -To-Use Cost per MOU(BH)	L8 * L9	\$ 0.688314

RTU Cost per MOU - Tandem Switching

VERIZON - MASSACHUSETTS

1	Total Material Investment	WP Part C-2, Sec 5, Pg 1, L8	\$78,179,488
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-2, Sec 5, Pg 2, L3	18,818,027
3	Total Material Investment per BH MOU	L1/L2	\$4.15450
4	Digital Switch EFI Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.673017
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.341492
8	Total In-Place Investment	L3+L5+L7	\$6.169009
9	Right-To -Use Factor	Part G-9	0.0197
10	Right -To-Use Cost per MOU(BH)	L8 * L9	\$ 0.121529

LOCAL SWITCHING
VERIZON - MASSACHUSETTS
FEATURES INCLUDED IN LOCAL SWITCH USAGE

LINE	ITEM A	ITEM B	ITEM C
1	Authorization Codes	Call Forwarding Variable	Time Key
2	Automatic Route Selection-basic/delux/frt	Call Forwarding Busy Line	Feature Access
3	Automatic Route Selection TOD Routing	Call Forwarding Does Not Answer	CF on 2nd Number
4	Call Park	Call Hold	CFB/DA Split
5	Call Transfer Individual All Calls	Call Pick-Up Groups	Music on Queue UCD
6	Call Waiting Terminating All Calls	Speed Calling Short List	Add on Module
7	Calling Name Display	Trunk Answer Any Line	ARS Pattern
8	Circular Hunting	Last Number Dialed	Feature Display
9	Dial Call Waiting	Directed Call Pick Up W/O Barge-In	Malicious Call Hold
10	Directed Call Pick Up Barge-In	Privacy Release	Code Restriction
11	Executive Busy Override	Calling Number Display	
12	ARS Expansive Route Warning Tone	Multiple Appear Directory Number	
13	Music on Hold	Multiple Call Arrangement	
14	Network Speed Calling (DMS Only)	Single Call Arrangement	
15	Series Hunting	Call Back Queing	
16	Speed Calling Long List	Automatic Answer Back	
17	Time of Day Network Class of Service Routing	Automatic Call Back	
18	Uniform Call Distribution	Automatic Line (Hot Line)	
19	1010XXX + 1 Blocking		
20	All Call Blocking		
21	Billed Number Screening		
22	Blocking of Pay-Per-Call services		
23	Call Forward/Busy		
24	Call Forward/Don't Answer		
25	Call Forward/Variable		
26	Call Park - Directed Call Park		
27	Call Waiting		
28	Custom Ringing (Ringmate)		
29	International Direct Dialing Blocking		
30	Limited InterLATA Dialing		
31	Line Side Answer Supervision		
32	One Way Restore		
33	One way Service (Incoming Only)		
34	Outward Call Screening		
35	Per-Call Blocking		
36	Speed Calling		
37	Subscriber Activated Call Blocking		
38	Suspend and Restore		
39	Add-On Consultation Hold		
40	Bridging		
41	Call Forwarding		
42	Call Forwarding Busy		
43	Call Forwarding Busy Don't Answer		
44	Call Forwarding Busy Incoming		
45	Call Forwarding Don't Answer Incoming Only		
46	Call Forwarding Incoming Only		
47	Call Forwarding Intra Group Only		
48	Call Transfer Individual - All Calls		
49	Call Transfer Internal		
50	Call Transfer Internal Individual Incoming Only		
51	Calling Number Delivery		
52	Calling Number Delivery - Blocking		
53	Circular Hunting		
54	Feature Display		
55	Multiline Hunting		
56	Series Completion		
57	Short Hunt		
58	Time and Date Display		
59	Voice/Data Protection		
60	Call By Call Service Selection		

Part C-3 Section Index

Section

Switching

- 1 Switch Usage For Reciprocal Compensation (per MOU)

Trunks

- 2 Common Trunk For Reciprocal Compensation (per MOU)

Transport

- 3 Common Transport For Reciprocal Compensation (Separate File)

Supporting Workpapers

- 4 SCIS End Office Results
- 5 SCIS Tandem Office Results
- 6 Non-Conversation Time Adjustments
- 7 Busy Hour to Annual Ratio

should not

<i>Input</i>	<i>Reference</i>	<i>Value</i>
Digital Switch EFI Factor	VCOST	0.402700
Power Factor	VCOST	0.058600
Digital Switch ACF	VCOST	0.318264
Land Factor	VCOST	0.003000
Land ACF	VCOST	0.281083
Building Factor	VCOST	0.074900
Building ACF	VCOST	0.410755
Common Overhead Factor	VCOST	0.080300
Gross Revenue Loading Factor	VCOST	0.002707
Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
Fixed Monthly Cost of DS-1 Transport	Part D-6	\$ 46.42
Variable Monthly Cost of DS-1 Transport, per Mile	Part D-6	\$ 1.41
Office to Tandem Miles	V & H Calculated	16.03
Umbilical to Host Miles	V & H Calculated	9.94
Hosts	SCIS INPUT STATISTICS	133
Tandems	SCIS INPUT STATISTICS	9
SS7 Cost per MOU	Part E	\$ 0.000052

VZ-MA STUDY WITH DEFRAGMENTED DATABASE;
CORRECTED 5ESS IDLC PORT INVESTMENT; AND VZ-MA CORRECTIONS TO TRUNK MOU
AND TRUNK MOU INCREASED TO 20 CCS/TRUNK

Summary

Reciprocal Compensation Elements

	End Office	Tandem
Switching (avg)	0.0011295	0.0001170
Switching - Orig	N/A	
Switching - Term	0.0010505	
Common Trunk	0.000542	0.0005078

VZ As-Filed

Switching (avg)	0.0011295	0.0001317
Switching - Orig	N/A	
Switching - Term	0.0010505	
Common Trunk*	0.000705	0.0005717

Differences

Switch Usage For Reciprocal Compensation
VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
End Office			
1	Originating End Office Usage	N/A	N/A
2	Terminating End Office Usage	WP: Part C-3, Sec 1, Pg 1, L36	\$0.001050
Tandem			
3	Tandem Usage	WP: Part C-3, Sec 1, Pg 2, L29	\$0.000117

Local Switch Usage For Reciprocal Compensation

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	C
1	TS Direct Material Investment	WP Part C-3, Sec 4, Pg 1, L25	\$134,054,110
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-3, Sec 4, Pg 2, L12	26,012,508
3	Material Investment per BH MOU	L1/L2	\$5.15345
4	Digital Switch EFI Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$2.075294
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.423604
8	Total In-Place Investment	L3+L5+L7	\$7.652346
9	Digital Switch ACF	VCOST	0.318263529
10	Annual Digital Switch Cost	L8 x L9	\$2.435463
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.022957
13	Land ACF	VCOST	0.281083327
14	Annual Land Cost	L12 x L13	\$0.006453
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.573161
17	Building ACF	VCOST	0.410755193
18	Annual Building Cost	L16 x L17	\$0.235429
19	RTU per MOU	N/A	\$0.000000
20	Total TELRIC Annual Cost	(L10+L14+L18+L19)	\$2.677344
21	Common Overhead Factor	VCOST	0.0803
22	Common Overhead Annual Cost	L20 x L21	\$0.214991
23	Gross Revenue Loading Factor	VCOST	0.0027073
24	Gross Revenue Annual Cost	(L20+L22) x L23	\$0.007830
25	Umbilical Cost per BH MOU	WP Part C-3, Sec 4, Pg 3, L12	\$ 0.026238
26	Total Cost per BH MOU	L20+L22+L24+L25	\$2.93
27	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
28	Cost per AHD MOU	L26*L27	\$0.000968
29	Non Conversation Time Adjustment	WP Part C-3, Sec 6, Pg 1, L16	1.113
30	Total Switching Cost per MOU	L28*L29	\$0.001078
31	SS7 cost per MOU	Part E	\$0.000052
32	Total Cost per Mou	L30 + L31	\$0.001130
33	Originating to Average Ratio	N/A	N/A
34	Originating MOU	N/A	N/A
35	Terminating to Average Ratio	Service Costs	0.930000
36	Terminating MOU	L32*L35	\$0.001050

Tandem Switch Usage For Reciprocal Compensation

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	TANDEM C
1	TS Direct Material Investment	WP Part C-3, Sec 5, Pg 1, L10	\$13,320,623.00
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-3, Sec 5, Pg 2, L3	21,186,767
3	Material Investment per BH MOU	L1/L2	\$0.62872
4	Digital Switch EFI Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$0.253187
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.051680
8	Total In-Place Investment	L3+L5+L7	\$0.933591
9	Digital Switch ACF	VCOST	0.318263529
10	Annual Digital Switch Cost	L8 x L9	\$0.297128
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.002801
13	Land ACF	VCOST	0.281083327
14	Annual Land Cost	L12 x L13	\$0.000787
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.069926
17	Building ACF	VCOST	0.410755193
18	Annual Building Cost	L16 x L17	\$0.02872
19	RTU per MOU	N/A	\$0.000000
20	Total TELRIC Annual Cost	(L10+L14+L18+L19)	\$0.326638
21	Common Overhead Factor	VCOST	0.0803
22	Common Overhead Annual Cost	L20 x L21	\$0.026229
23	Gross Revenue Loading Factor	VCOST	0.0027073
24	Gross Revenue Annual Cost	(L20+L22) x L23	\$0.000955
25	Total Switching Cost per BH MOU	L20+L22+L24	\$0.35
26	SS7 cost per MOU	Part E	\$0.000052
27	Total Tandem Cost per BH MOU	L25 + L26	\$0.35
28	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
29	Cost per AHD MOU	L26*L27	\$0.000117

Common Trunk For Reciprocal Compensation
VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
End Office			
1	Common End Office Trunk	WP: Part C-3, Sec 2, Pg 1, L6	\$0.000542
Tandem			
2	Common Tandem Trunk	WP: Part C-3, Sec 2, Pg 2, L6	\$0.000508

Common End Office Trunk For Reciprocal Compensation

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	VALUE C
1	Monthly Cost - End Office Trunk (DS-0)	(Exh Part C-1 Sec 5 Page 1) / 24	\$ 4.38
2	BH MOU per Trunk	WP Part 3-2, Sec 4, Pg 2, L18	32.07
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
4	Annual MOU	L2/L3	96,972.69
5	Monthly MOU	L4/12	8,081.06
6	Cost per MOU	L1/L5	\$ 0.000542

Common Tandem Trunk For Reciprocal Compensation

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	VALUE C
1	Monthly Cost - Tandem Trunk (DS-0)	(Exh Part C-1, Sec 6, Page 1, L4) / 24	\$4.10
2	Tandem BH MOU per Trunk	WP Part C-3, Sec 5, Pg 2, L3D	32.07
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
4	Annual MOU	L2/L3	96,973
5	Monthly MOU	L4/12	8,081.06
6	Cost per MOU	L1/L5	\$ 0.000508

SCIS End Office Direct Material Investment

VERIZON - MASSACHUSETTS

Line #	SCIS Non ISDN:	A ESS	B DMS	C Meld
1.	Getting Started	0	0	0
2.	SM 2000 EPHC	36024789		36024789
3.	Line Term. A+C+D	150371657	59616910	209988567
4.	LINE CCS	50951958	23646433	74598391
5.	Term Call	0	0	0
6.	Trunk CCS	39468836	24045548	63514384
7.	SS7 Link	736089	1693509	2429598
8.	UMBILICAL TRUNK CCS		1,734,901	1734901
9.	-----	\$ 277,553,329	\$ 110,737,301	\$ 388,290,630
	(Sum L1 to L8)			
SCIS ISDN Investments:				
10.	SM 2000 Real Time EPHC	6670743		6670743
11.	BRI - U Card	12702850	2980920	15683770
12.	ISDN LINE CCS	4019406	521621	4541027
13.	PRI D CHANNEL	1638908	440496	2079404
14.	PRI B CHANNEL	5799056	5079210	10878266
15.	D CH. ACC. PPS	4425144	715082	5140226
16.	PPB CH. ACCESS PPS		486415	486415
17.	INTER-SWITCH PPS	753807	163329	917136
18.	XAT PPS	21253		21253
19.	ADD'L BRI PPB CH.		794180	794180
20.	ADD'L D CH. TERM.		423746	423746
21.	ADD'L XAT Channel	271705		271705
22.	-----	\$ 36,302,872	\$ 11,604,999	\$ 47,907,871
	(Sum L10 to L21)			
23.	Total Local Switch - SCIS (L9 + L22)	\$ 313,856,201	\$ 122,342,300	\$ 436,198,501
24.	Total NTS (L3 + L6 + L11 + L13 + L14)	\$ 209,981,307	\$ 92,163,084	\$ 302,144,391
25.	Total TS (Usage) (L23 - L24)	\$ 103,874,894	\$ 30,179,216	\$ 134,054,110

End Office Minutes of Use

VERIZON - MASSACHUSETTS

	A	B	C	
Line	Number of Lines	Zone 1A CCS per Line	TOTAL CCS	
A. End Office Lines:				
5ESS CCS:				
1	POTS Lines	2562505	3.72	9532519
2	ISDN BRI Lines	52568	8.98	472061
3	POTS Lines on ISDN Interface			0
4	5ESS CCS TOTAL			10,004,579
5	5ESS MOU TOTAL (= CCS * 100 / 60)			16,674,299
DMS-100 CCS:				
Number of Lines				
CCS per Line				
TOTAL CCS				
6	POTS Lines	1922925	3.79	7287886
7	ISDN BRI Lines	13601	9.31	126625
8	POTS Lines on ISDN Interface			0
9	DMS-100 CCS TOTAL			7,414,511
10	DMS-100 MOU TOTAL (= CCS * 100 / 60)			12,357,518
Total				
11	5ESS & DMS-100 CCS			17,419,090
12	5ESS & DMS-100 MOU at Midpoint of Planning Cycle (= CCS * 100 / 60)*0.896)			26,012,508
13	Annual to Busy Hour Ratio		0.000331	
14	Annual MOUs	(=BH MOU/ABHR)		78,664,331,970
B. End Office Trunks:				
15	5ESS	482733	20.00	9,654,660
16	DMS-100	290112	20.00	5,802,240
17	Digital Trunk CCS /Trunk		20.00	15,456,900
18	Digital Trunk MOU at Midpoint of Planning Cycle		32.07	24,782,563

Notes: 1. MOU = Minutes of Use
2. CCS = Hundred Call Seconds

Umbilical Costs

VERIZON - MASSACHUSETTS

	A	B	C	D
		Monthly	Avg. Miles	-----
L1	-----			196
L2	-----	\$ 46.42		\$9,098
L3	-----	\$ 1.41	9.94	\$2,749
L4	-----			\$11,847
		Monthly	Avg. Miles	-----
L5	-----			745
L6	-----	\$ 46.42		\$34,581
L7	-----	\$ 1.41	9.94	\$10,448
L8	-----			\$45,029
L9	-----		L4D + L8D	\$56,876
L10	-----		L9 * 12	\$682,513
L11	-----	WP Part 2,Sec 4,L12C		26,012,508
L12	-----		L10 / L11	\$0.026238

Tandem Switch Direct Investment

VERIZON - MASSACHUSETTS

Line #	ACCESS TANDEMS			TOTAL
	5 ESS	DMS-200		
SCIS RESULTS:				
(Lines 1 to 8)				
1.	Getting Started	0	0	0
2.	SM 2000 EPHC	13,096,516		
3.	A+C			
4.	LINE CCS			
5.	Term Call			
6.	Tdm Trunk CCS	46,763,182	8,074,635	54,837,817
7.	SS7 Link	72,572	151,535	224,107
8.	-----	59,932,270	8,226,170	68,158,440
(Sum L1 to L7)				
				0
9.	Total NTS (L3 + L6)	\$ 46,763,182	\$ 8,074,635	54,837,817
10.	Total TS (Usage) (L8 - L9)	\$ 13,169,088	\$ 151,535	13,320,623

Tandem Minutes of Use

VERIZON - MASSACHUSETTS

Line	A	B	C	D	E	F
		No. Digital Trunks	BH CCS / Trunk	BH MOU / Trunk (C * 100/60)	Total BH CCS (B * C)	Planning point (B * D * 0.896)
	Tandems					
1	5ESS	547,710	20	33.33	10,954,200	17,563,234
2	DMS	113,000	20	33.33	2,260,000	3,623,533
3	TOTAL	660,710		32.07		21,186,767

Non-Conversation Time Adjustments

VERIZON - MASSACHUSETTS

LINE#	ITEM A	SOURCE B	5ESS C	DMS D
1	Average BH CCS per Main Station - Analog Lines	SCIS Input Statistics	3.720	3.790
2	Average BH Calls per Main Station - Analog Lines	SCIS Input Statistics	2.360	2.180
3	Average Holding Time (in sec) per BH Call - Analog Lines	L1/L2*100	157.627	173.853
4	Average BH CCS per Main Station - Digital Lines	SCIS Input Statistics	3.720	3.790
5	Average BH Calls per Main Station - Digital Lines	SCIS Input Statistics	2.360	2.180
6	Average Holding Time (in sec) per BH Call - Digital Lines	L4/L5	157.627	173.853
7	Analog Lines	SCIS Input Statistics	1921950	1442194
8	Digital Lines	SCIS Input Statistics	640555	480731
9	Percent Analog Lines	L7/ (L7C-D+L8C-D)	42.85%	32.15%
10	Percent Digital Lines	L8/ (L7C-D +L8C-D)	14.28%	10.72%
11	Weighted Average Holding Time by Technology	L3*L9 + L6*L10	90.052	74.532
12	Weighted Average Holding Time	L11C+L11D+L11E	164.583	
13	NCT per Attempt	Call Setup Analysis	13.36	
14	Completion Ratio	Call Setup Analysis	0.715	
15	Total NCT per Call	L13 / L14	18.679	
16	NCT Adjustment Factor	(L12 + L15)/L12	1.113	

Busy Hour to Annual Conversion Factor

VERIZON - MASSACHUSETTS

LINE#	ITEM A	SOURCE B	AMOUNT C
1	Number of days in a year	calendar	365
2	Number of Saturdays and Sundays	2*52weeks	104
3	Number of Holidays	calendar	10
4	Number of Average Business Days (ABD)	L1-L2-L3	251
5	Busy Hour (BH) to All Hours of Day (AHD)	Service Costs	0.083
6	Busy Hour to Annual Conversion Factor	L5/L4	0.000331

Part B-2 Section Index

Section

Switching

- 1 Switch Usage (per MOU)

Trunks

- 2 Common Trunk (Per MOU)

Transport

- 3 Common Transport (Separate File)

Supporting Workpapers

- 4 SCIS End Office Results
- 5 SCIS Tandem Office Results
- 6 RTU Costs
- 7 Features Included in Usage

should not

<i>Input</i>	<i>Reference</i>	<i>Value</i>
Digital Switch EFI Factor	VCOST	0.402700
Power Factor	VCOST	0.058600
Digital Switch ACF	VCOST	0.318264
Land Factor	VCOST	0.003000
Land ACF	VCOST	0.281083
Building Factor	VCOST	0.074900
Building ACF	VCOST	0.410755
Common Overhead Factor	VCOST	0.080300
Gross Revenue Loading Factor	VCOST	0.002707
Right-To -Use Factor	Part G-9	0.019700
Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
Fixed Monthly Cost of DS-1 Transport	Part D-6	\$ 46.42
Variable Monthly Cost of DS-1 Transport, per Mile	Part D-6	\$ 1.41
Umbilical to Host Miles	V & H Calculated	9.94
Hosts	SCIS INPUT STATISTICS	133
Tandems	SCIS INPUT STATISTICS	9
SS7 Cost per MOU	N/A	\$ -

VZ-MA STUDY WITH DEFRAGMENTED DATABASE;
 CORRECTED 5ESS IDLC PORT INVESTMENT; AND VZ-MA CORRECTIONS TO TRUNK MOU
 AND MOU PER TRUNK INCREASED TO 20 CCS/TRUNK

Summary

Element	End Office	Tandem	TOPS	IOF
Switching (avg)	0.0027519	0.0002361		
Switching - Orig	0.0029171			
Switching - Term	0.0025593			
Common Trunk	0.0005423	0.0005078	0.0004206	
VZ-MA -As Filed				
Switching (avg)	0.002756	0.0002744		
Switching - Orig	0.0029214			
Switching - Term	0.0025631			
Common Trunk	0.000705	0.0005717	0.0014113	
Differences				
Switching (avg)	0%	-14%		
Switching - Orig	0%			
Switching - Term	0%			
Common Trunk*	-23%	-11%	-70%	

Common Trunk includes corrections by VZ in response to ATT 4-46.

Switch Usage (per MOU)
VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
End Office			
1	Originating End Office Usage	WP: Part C-2, Sec 1, Pg 1, L34	\$0.002917
2	Terminating End Office Usage	WP: Part C-2, Sec 1, Pg 1, L36	\$0.002559
Tandem			
3	Tandem Usage	WP: Part C-2, Sec 1, Pg 2, L29	\$0.000236

Local Switch Usage

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	C
1	TS Material Investment	WP Part C-2, Sec 4, Pg 1, L25	\$309,796,195
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-2, Sec 4, Pg 2, L12	26,012,508
3	Material Investment per BH MOU	L1/L2	\$11.90951
4	Digital Switch EFI Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$4.795959
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.978940
8	Total In-Place Investment	L3+L5+L7	\$17.684408
9	Digital Switch ACF	VCOST	0.318263529
10	Annual Digital Switch Cost	L8 x L9	\$5.628302
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.053053
13	Land ACF	VCOST	0.281083327
14	Annual Land Cost	L12 x L13	\$0.014912
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$1.324562
17	Building ACF	VCOST	0.410755193
18	Annual Building Cost	L16 x L17	\$0.544071
19	RTU per MOU	WP Part C-2, Sec 6, PG1, L10	\$0.688161
20	Total TELRIC Annual Cost	(L10+L14+L18+L19)	\$6.875446
21	Common Overhead Factor	VCOST	0.0803
22	Common Overhead Annual Cost	L20 x L21	\$0.552098
23	Gross Revenue Loading Factor	VCOST	0.0027073
24	Gross Revenue Annual Cost	(L20+L22) x L23	\$0.020109
25	Umbilical Cost per BH MOU	WP Part C-2, Sec 4, Pg 3, L12	0.026238
26	Total Cost per BH MOU	L20+L22+L24+L25	\$7.47
27	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
28	Cost per AHD MOU	L26*L27	\$0.002471
29	Non Conversation Time Adjustment	WP Part C-3, Sec 6, Pg 1, 16	1.113
30	Total Switching Cost per MOU	L28*L29	\$0.002752
31	SS7 Cost per MOU	N/A	0
32	Total Cost per Mou	L30 + L31	\$0.002752
33	Originating to Average Ratio	Service Costs	1.06
34	Originating MOU	L32*L33	\$0.002917
35	Terminating to Average Ratio	Service Costs	0.93
36	Terminating MOU	L32*L35	\$0.002559

Tandem Switch Usage

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	TANDEM C
1	TS Material Investment	WP Part C-2, Sec 5, Pg 1, L10	\$22,524,897.00
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-2, Sec 5, Pg 2, L3	21,186,767
3	Material Investment per BH MOU	L1/L2	\$1.06316
4	Digital Switch EFI Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$0.428134
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.087390
8	Total In-Place Investment	L3+L5+L7	\$1.578683
9	Digital Switch ACF	VCOST	0.318263529
10	Annual Digital Switch Cost	L8 x L9	\$0.502437
11	Land Factor	VCOST	0.003
12	Land Investment	L8 x L11	\$0.004736
13	Land ACF	VCOST	0.281083327
14	Annual Land Cost	L12 x L13	\$0.001331
15	Building Factor	VCOST	0.0749
16	Building Investment	L8 x L15	\$0.118243
17	Building ACF	VCOST	0.410755193
18	Annual Building Cost	L16 x L17	\$0.04857
19	RTU per MOU	WP Part C-2, Sec 6, Pg 2, L10	\$0.106814
20	Total TELRIC Annual Cost	(L10+L14+L18+L19)	\$0.659152
21	Common Overhead Factor	VCOST	0.0803
22	Common Overhead Annual Cost	L20 x L21	\$0.052930
23	Gross Revenue Loading Factor	VCOST	0.0027073
24	Gross Revenue Annual Cost	(L20+L22) x L23	\$0.001928
25	Total Switching Cost per BH MOU	L20+L22+L24	\$0.71
26	SS7 Cost per MOU	N/A	\$ -
27	Total Tandem Cost per BH MOU	L25 + L26	\$0.71
28	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
29	Cost per AHD MOU	L26*L27	\$0.000236

Common Trunk (per MOU)
VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE	ITEM A	SOURCE B	AMOUNT C
End Office			
1	Common End Office Trunk	WP: Part C-2, Sec 2, Pg 1, L6	\$0.000542
Tandem			
2	Common Tandem Trunk	WP: Part C-2, Sec 2, Pg 2, L6	\$0.000508
TOPS			
3	Common TOPS Trunk	WP: Part C-2, Sec 2, Pg 3, L6	\$0.000421

Common End OfficeTrunk

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	VALUE C
1	Monthly Cost - End Office Trunk (DS-0)	(Exh Part C-1 Sec 5 Page 1) / 24	\$ 4.38
2	BH MOU per Trunk	WP Part C-2, Sec 4, Pg 2, L18	32.07
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
4	Annual MOU	L2/L3	96,972.69
5	Monthly MOU	L4/12	8,081.06
6	Cost per MOU	L1/L5	\$ 0.000542

Common Tandem Trunk

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	VALUE C
1	Monthly Cost - Tandem Trunk (DS-0)	(Exh Part C-1, Sec 6, Page 1, L4) / 24	\$ 4.10
2	Tandem BH MOU per Trunk	WP Part C-2, Sec 5, Pg 2, L3	32.07
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
4	Annual MOU	L2/L3	96,973
5	Monthly MOU	L4/12	8,081.06
6	Cost per MOU	L1/L5	\$ 0.000508

Common TOPS Trunk

VERIZON - MASSACHUSETTS

SUMMARY OF PER MOU COSTS

LINE#	ITEM A	SOURCE B	VALUE C
1	Monthly Cost - TOPS Trunk (DS-0)	(Exh Part C-1, Sec 6.1, Page 1, L4) / 24	\$ 3.53
2	TOPS BH MOU per Trunk	WP Part C-2, Sec 5, Pg 2, L4	33.33
3	Annual to Busy Hour Ratio	WP Part C-3, Sec 7 Pg 1, L6	0.000331
4	Annual MOU	L2/L3	100,803
5	Monthly MOU	L4/12	8,400.27
6	Cost per MOU	L1/L5	\$ 0.000421

SCIS End Office Total Material Investment

VERIZON - MASSACHUSETTS

Line #	SCIS Non ISDN:	A 5 ESS	B DMS	C Meld
1.	Getting Started	126863610	48878475	175742085
2.	SM 2000 EPHC	36024789		36024789
3.	Line Term. A+C+D	150371657	59616910	209988567
4.	LINE CCS	50951958	23646433	74598391
5.	Term Call	0	0	0
6.	Trunk CCS	39468836	24045548	63514384
7.	SS7 Link	736089	1693509	2429598
8.	UMBILICAL TRUNK CCS		1,734,901	1734901
9.	-----	\$ 404,416,939	\$ 159,615,776	\$ 564,032,715
	(Sum L1 to L8)			
SCIS ISDN Investments:				
10.	SM 2000 Real Time EPHC	6670743		6670743
11.	BRI - U Card	12702850	2980920	15683770
12.	ISDN LINE CCS	4019406	521621	4541027
13.	PRI D CHANNEL	1638908	440496	2079404
14.	PRI B CHANNEL	5799056	5079210	10878266
15.	D CH. ACC. PPS	4425144	715082	5140226
16.	PPB CH. ACCESS PPS		486415	486415
17.	INTER-SWITCH PPS	753807	163329	917136
18.	XAT PPS	21253		21253
19.	ADD'L BRI PPB CH.		794180	794180
20.	ADD'L D CH. TERM.		423746	423746
21.	ADD'L XAT Channel	271705		271705
22.	-----	\$ 36,302,872	\$ 11,604,999	\$ 47,907,871
	(Sum L10 to L21)			
23.	Total Local Switch - SCIS (L9 + L22)	\$ 440,719,811	\$ 171,220,775	\$ 611,940,586
24.	Total NTS (L3 + L6 + L11 + L13 + L14)	\$ 209,981,307	\$ 92,163,084	\$ 302,144,391
25.	Total TS (Usage) (L23 - L24)	\$ 230,738,504	\$ 79,057,691	\$ 309,796,195

End Office Minutes of Use

VERIZON - MASSACHUSETTS

		A	B	C
Line		Number of Lines	Zone 1A CCS per Line	TOTAL CCS
A. End Office Lines:				
5ESS CCS:				
1	POTS Lines	2562505	3.72	9532519
2	ISDN BRI Lines	52568	8.98	472061
3	POTS Lines on ISDN Interface			0
4	5ESS CCS TOTAL			10,004,579
5	5ESS MOU TOTAL	(= CCS * 100 / 60)		16,674,299
DMS-100 CCS:				
Number of Lines				
CCS per Line				
TOTAL CCS				
6	POTS Lines	1922925	3.79	7287886
7	ISDN BRI Lines	13601	9.31	126625
8	POTS Lines on ISDN Interface			0
9	DMS-100 CCS TOTAL			7,414,511
10	DMS-100 MOU TOTAL	(= CCS * 100 / 60)		12,357,518
Total				
11	5ESS & DMS-100 CCS			17,419,090
12	5ESS & DMS-100 MOU at Midpoint of Planning Cycle	(= CCS * 100 / 60)*0.896)		26,012,508
13	Annual to Busy Hour Ratio		0.000331	
14	Annual MOUs	(=BH MOU/ABHR)		78,664,331,970
B. End Office Trunks:				
15	5ESS	482733	20.00	9,654,660
16	DMS-100	290112	20.00	5,802,240
17	Digital Trunk CCS /Trunk		20.00	15,456,900
18	Digital Trunk MOU at Midpoint of Planning Cycle		32.07	24,782,563

Notes: 1. MOU = Minutes of Use
2. CCS = Hundred Call Seconds

Umbilical Costs

VERIZON - MASSACHUSETTS

	A	B	C	D
		Monthly	Avg. Miles	-----
L1	-----			196
L2	-----	\$ 46.42		\$9,098
L3	-----	\$ 1.41	9.94	\$2,749
L4	-----			\$11,847
		Monthly	Avg. Miles	-----
L5	-----			745
L6	-----	\$ 46.42		\$34,581
L7	-----	\$ 1.41	9.94	\$10,448
L8	-----			\$45,029
L9	-----		L4D + L8D	\$56,876
L10	-----		L9 * 12	\$682,513
L11	-----	WP Part C-2,Sec 4,L12		26,012,508
L12	-----		L10 / L11	\$0.026238

Tandem Switch Total Investment

VERIZON - MASSACHUSETTS

Line #		ACCESS TANDEMS		TOTAL	TOPS
		5 ESS	DMS-200		DMS-200
SCIS RESULTS:					
(Lines 1 to 8)					
1.	Getting Started	8,158,190	1,046,084	9,204,274	523,042
2.	SM 2000 EPHC	13,096,516			
3.	A+C				
4.	LINE CCS				
5.	Term Call				
6.	Tdm Trunk CCS	46,763,182	8,074,635	54,837,817	645,614
7.	SS7 Link	72,572	151,535	224,107	8,916
8.	-----	68,090,460	9,272,254	77,362,714	1,177,572
(Sum L1 to L7)				0	
9.	Total NTS (L3 + L6)	\$ 46,763,182	\$ 8,074,635	54,837,817	\$ 645,614
10.	Total TS (Usage) (L8 - L9)	\$ 21,327,278	\$ 1,197,619	22,524,897	\$ 531,958

Tandem Minutes of Use

VERIZON - MASSACHUSETTS

Line	A	B	C	D	E	F
		No. Digital Trunks	BH CCS / Trunk	BH MOU / Trunk (C * 100/60)	Total BH CCS (B * C)	Planning point (B * D * 0.962)
Tandems						
1	5ESS	547,710	20	33.33	10,954,200	17,563,234
2	DMS	113,000	20	33.33	2,260,000	3,623,533
3	TOTAL			32.07		21,186,767
TOPS						
4	DMS	9,035	20	33.33	180,700	289,722.33

RTU Cost per MOU - Local Switching

VERIZON - MASSACHUSETTS

LINE#	ITEM A	SOURCE B	C
1	Total Material Investment	WP Part C-2, Sec 4, Pg 1, L23	\$611,940,586
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-2, Sec 4, Pg 2, L12	26,012,508
3	Total Material Investment per BH MOU	L1/L2	\$23.52486
4	Digital Switch EFI Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$9.473461
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$1.933702
8	Total In-Place Investment	L3+L5+L7	\$34.932021
9	Right-To -Use Factor	Part G-9	0.0197
10	Right -To-Use Cost per MOU(BH)	L8 * L9	\$ 0.688161

RTU Cost per MOU - Tandem Switching

VERIZON - MASSACHUSETTS

1	Total Material Investment	WP Part C-2, Sec 5, Pg 1, L8	\$77,362,714
2	Busy Hour (BH) Traffic in Minutes of Use (MOU)	WP Part C-2, Sec 5, Pg 2, L3	21,186,767
3	Total Material Investment per BH MOU	L1/L2	\$3.65146
4	Digital Switch EFI Factor	VCOST	0.4027
5	Installation Cost	L3 x L4	\$1.470444
6	Power Factor	VCOST	0.0586
7	Power Investment	(L3 + L5) x L6	\$0.300144
8	Total In-Place Investment	L3+L5+L7	\$5.422052
9	Right-To -Use Factor	Part G-9	0.0197
10	Right -To-Use Cost per MOU(BH)	L8 * L9	\$ 0.106814

LOCAL SWITCHING
VERIZON - MASSACHUSETTS
FEATURES INCLUDED IN LOCAL SWITCH USAGE

LINE	ITEM A	ITEM B	ITEM C
1	Authorization Codes	Call Forwarding Variable	Time Key
2	Automatic Route Selection-basic/delux/frt	Call Forwarding Busy Line	Feature Access
3	Automatic Route Selection TOD Routing	Call Forwarding Does Not Answer	CF on 2nd Number
4	Call Park	Call Hold	CFB/DA Split
5	Call Transfer Individual All Calls	Call Pick-Up Groups	Music on Queue UCD
6	Call Waiting Terminating All Calls	Speed Calling Short List	Add on Module
7	Calling Name Display	Trunk Answer Any Line	ARS Pattern
8	Circular Hunting	Last Number Dialed	Feature Display
9	Dial Call Waiting	Directed Call Pick Up W/O Barge-In	Malicious Call Hold
10	Directed Call Pick Up Barge-In	Privacy Release	Code Restriction
11	Executive Busy Override	Calling Number Display	
12	ARS Expansive Route Warning Tone	Multiple Appear Directory Number	
13	Music on Hold	Multiple Call Arrangement	
14	Network Speed Calling (DMS Only)	Single Call Arrangement	
15	Series Hunting	Call Back Queing	
16	Speed Calling Long List	Automatic Answer Back	
17	Time of Day Network Class of Service Routing	Automatic Call Back	
18	Uniform Call Distribution	Automatic Line (Hot Line)	
19	1010XXX + 1 Blocking		
20	All Call Blocking		
21	Billed Number Screening		
22	Blocking of Pay-Per-Call services		
23	Call Forward/Busy		
24	Call Forward/Don't Answer		
25	Call Forward/Variable		
26	Call Park - Directed Call Park		
27	Call Waiting		
28	Custom Ringing (Ringmate)		
29	International Direct Dialing Blocking		
30	Limited InterLATA Dialing		
31	Line Side Answer Supervision		
32	One Way Restore		
33	One way Service (Incoming Only)		
34	Outward Call Screening		
35	Per-Call Blocking		
36	Speed Calling		
37	Subscriber Activated Call Blocking		
38	Suspend and Restore		
39	Add-On Consultation Hold		
40	Bridging		
41	Call Forwarding		
42	Call Forwarding Busy		
43	Call Forwarding Busy Don't Answer		
44	Call Forwarding Busy Incoming		
45	Call Forwarding Don't Answer Incoming Only		
46	Call Forwarding Incoming Only		
47	Call Forwarding Intra Group Only		
48	Call Transfer Individual - All Calls		
49	Call Transfer Internal		
50	Call Transfer Internal Individual Incoming Only		
51	Calling Number Delivery		
52	Calling Number Delivery - Blocking		
53	Circular Hunting		
54	Feature Display		
55	Multiline Hunting		
56	Series Completion		
57	Short Hunt		
58	Time and Date Display		
59	Voice/Data Protection		
60	Call By Call Service Selection		